

Access DB# _____

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner #: _____ Date: _____
 Art Unit: _____ Phone Number 30 _____ Serial Number: _____
 Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY**Type of Search****Vendors and cost where applicable**

Searcher: <u>P. Schreiber</u>	NA Sequence (#) <u>2</u>	STN _____
Searcher Phone #: <u>272-2526</u>	AA Sequence (#) <u>1</u>	Dialog _____
Searcher Location: <u>Rosen 601A6</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Paid Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>8/30</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep. & Review Time: <u>15</u>	Fulltext _____	Sequence Systems <u>CompuGen</u>
Online Prep. Time: _____	Patent Family _____	WWW/Internet _____
Online Time: <u>8</u>	Other _____	Other (specify) _____

131176

Schreiber, David

From: Ramirez, Delia
Sent: Thursday, August 19, 2004 6:31 PM
To: Schreiber, David
Subject: 09/902705

Hi,

I would like to request the following interference search:

1. seq id 1, 2 in the nucleic acid databases
2. seq id 2 in the protein databases

Thank you,

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70
Alexandria, VA 22314
(571) 272-0938
delia.ramirez@uspto.gov

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 15:17:52 ; Search time 466 Seconds
(without alignments)
2238.932 Million cell updates/sec

Title: US-09-902-705-2

Perfect score: 1116

Sequence: 1 MATSPGWMDDPGYDLN.....LDYNEFRDLNHCIVNEHG 212

Scoring table: BLOSUM62

Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 3237270 seqs, 2460713050 residues

Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=PublishedApplications NA -QFWT=fastap -SUFFIX=rnpb -MINMATCH=0.1
-LOOFCFL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09902705 @CGN 1 1 520 @runat_23082004_101849_6319
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-LONGLOG -DEV TIMECUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-Fgapop=6 -Fgapext=7 -Ygapop=10 -Ygapext=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications NA:*

- 1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:*
- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq:*
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- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq:*
- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
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ALIGNMENTS

RESULT 1

US-09-189-833B-1
; Sequence 1, Application US/09189833B
; Patent No. US20020065393A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38P1DI
; CURRENT APPLICATION NUMBER: US/09/189, 833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (626)..(1264)

Sequence 1, Appli
Sequence 1, Appli
Sequence 19, Appli
Sequence 424, App
Sequence 13, Appli
Sequence 2, Appli
Sequence 22, Appli
Sequence 1298, Ap
Sequence 283, App
Sequence 13, Appli
Sequence 13, Appli
Sequence 20, Appli
Sequence 27, Appli
Sequence 870, App
Sequence 223, App
Sequence 4, Appli
Sequence 91, Appli
Sequence 10, Appli
Sequence 3700, Ap
Sequence 3296, Ap
Sequence 10962, A
Sequence 20, Appli
Sequence 22, Appli
Sequence 12, Appli
Sequence 8593, Ap
Sequence 14831, A
Sequence 115054,
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Sequence 42132, A
Sequence 42132, A
Sequence 46735, A
Sequence 40260, A
Sequence 41976, A
Sequence 23722, A
Sequence 1, Appli
Sequence 40426, A
Sequence 2058, Ap
Sequence 10, Appli
Sequence 24187, A
Sequence 3804, Ap
Sequence 20, Appli
Sequence 3283, A
Sequence 148, App

US-09-189-833B-1

Alignment Scores:

Pred. No.: 1 1.94e-140 Length: 1386
Score: 1116.00 Matches: 212
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-189-833B-1 (1-1386)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspTTPProGlyTyrAspLeuAsn 20
DB 626 ATGGCGACCCGAGCCCTGGCGTGTGATTATGGATGATGGCCAGGGTATGACTTGAAT 685
QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
DB 686 TTATTACATACCCACAGCACTATTATGAGACTTGGAGATGTCCTCATCCCTCATGGT 745
QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
DB 746 ATCATTTGGACAGCAATTCAGCGGCTGGCCAGGATATTATGAAGACATAGGATAGT 805
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
DB 806 GACATCATGCTCTGTGTGCTTAAAGGGGGGTACAAATTTCTGTGCTGATCTCGTAGAA 865
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
DB 866 CACCTTAAAGCAATTCAGCGGCTGGCCAGGATATTATGAAGACATAGGATAGT 925
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 120
DB 926 AGACTAAAGATTACAGGAATGACCACTCCATGGGTGAGATGTCAGATAATCGAGGGCGT 985
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
DB 986 GATCTTTCAACGCTGGTGGAAAGAAATTTCTCATTTGTGAGGATGTTTCGGAACCTGGG 1045
QY 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
DB 1046 AGGACCATGAAGCACTACTCAGCAATATAGAGAAATACAGCCCAACATGATTAGGTA 1105
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
DB 1106 GCCAGTTTCTGGTGAAGAGAACATCCAGAAAGTACGCGCTTTAGACCTGACTATGCTGA 1165
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
DB 1166 TTTGAGATTCACACTTATTGTTGGTGGATATGCTTAGATTACATGATGATCTTACAGA 1225

RESULT 2

US-09-902-705-1

; Sequence 1, Application US/09902705

; Patent No. US20020081695A1

; GENERAL INFORMATION:

; APPLICANT: Bednarik et al.

; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2

; FILE REFERENCE: PF138P1C1

; CURRENT APPLICATION NUMBER: US/09/902,705

; PRIORITY FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: US 08/461,031

; PRIOR FILING DATE: 1995-06-05

; PRIOR APPLICATION NUMBER: PCT/US94/11914

; PRIOR FILING DATE: 1994-10-19

; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 1386

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (626)..(1264)

; OTHER INFORMATION:

US-09-902-705-1

Alignment Scores:

Pred. No.: 1 1.94e-140 Length: 1386
Score: 1116.00 Matches: 212
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-902-705-1 (1-1386)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspTTPProGlyTyrAspLeuAsn 20
DB 626 ATGGCGACCCGAGCCCTGGCGTGTGATTATGGATGATGGCCAGGGTATGACTTGAAT 685
QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
DB 686 TTATTACATACCCACAGCACTATTATGAGACTTGGAGATGTCCTCATCCCTCATGGT 745
QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
DB 746 ATCATTTGGACAGCAATTCAGCGGCTGGCCAGGATATTATGAAGACATAGGATAGT 805
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
DB 806 GACATCATGCTCTGTGTGCTTAAAGGGGGGTACAAATTTCTGTGCTGATCTCGTAGAA 865
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
DB 866 CACCTTAAAGCAATTCAGCGGCTGGCCAGGATATTATGAAGACATAGGATAGT 925
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 120
DB 926 AGACTAAAGATTACAGGAATGACCACTCCATGGGTGAGATGTCAGATAATCGAGGGCGT 985
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
DB 986 GATCTTTCAACGCTGGTGGAAAGAAATTTCTCATTTGTGAGGATGTTTCGGAACCTGGG 1045
QY 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
DB 1046 AGGACCATGAAGCACTACTCAGCAATATAGAGAAATACAGCCCAACATGATTAGGTA 1105
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
DB 1106 GCCAGTTTCTGGTGAAGAGAACATCCAGAAAGTACGCGCTTTAGACCTGACTATGCTGA 1165
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
DB 1166 TTTGAGATTCACACTTATTGTTGGTGGATATGCTTAGATTACATGATGATCTTACAGA 1225

RESULT 3

US-10-427-631-19

; Sequence 19, Application US/10427631

; Publication No. US20030175923A1

; GENERAL INFORMATION:

; APPLICANT: INCYTE CORPORATION; TANG, Y. Tom;

; APPLICANT: CORLEY, Neil C.; GUEGLER, Karl J.;

; APPLICANT: BAUGHN, Mariah R.; LAL, Preeti G.;

; APPLICANT: YUE, Henry; HILLMAN, Jennifer L.;

; APPLICANT: AZIMZAI, Yalda

```

/ TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
/ FILE REFERENCE: PF-0592-1 DIV
/ CURRENT APPLICATION NUMBER: US/10/427.631
/ CURRENT FILING DATE: 2003-04-29
/ PRIOR APPLICATION NUMBER: US 09/786,240
/ PRIOR FILING DATE: 2002-03-12
/ PRIOR APPLICATION NUMBER: PCT/US99/20989
/ PRIOR FILING DATE: 1999-09-09
/ PRIOR APPLICATION NUMBER: US 60/172,220
/ PRIOR FILING DATE: 1998-09-10
/ PRIOR APPLICATION NUMBER: US 60/155,248
/ PRIOR FILING DATE: 1998-11-04
/ PRIOR APPLICATION NUMBER: US 60/133,642
/ PRIOR FILING DATE: 1999-05-11
/ NUMBER OF SEQ ID NOS: 33
/ SOFTWARE: PERL Program
/ SEQ ID NO 19
/ LENGTH: 1927
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: misc:feature
/ OTHER INFORMATION: Incyte ID No. US20030175923A1 1404963CB1
/ US-10-427-631-19

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Alignment Scores:		
Pred. NO.:	7.53e-134	1927
Score:	1069.00	203
Percent Similarity:	99.51%	Matches: 2
Best Local Similarity:	98.54%	Conservative: 1
Query Match:	95.79%	Mismatches: 1
DB:	15	Indels: 0
		Gaps: 0

US-09-902-705-2 (1-212) x US-10-427-631-19 (1-1927)

QY	7	GlyValValIleMetAspAspTirProGlyTyrAspLeuAsnLeuPheThrTyrProGln	26
Db	58	GGCGTCGTCAATTATGCATGATTGGCCAGGGTATGACTTGAATTTATTCACGTACCCACAG	117
QY	27	HisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleIleValAspArgIle	46
Db	118	CACTATATGAGACTTCGAGATGTCTCATCCCTCATCTGGTATCATTTGTGGACAGAA	177
QY	47	GluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSerAspIleMetValLeuCys	66
Db	178	GAGCGCTGGCCACAGCATATTATGAAGACACATAGATAGTACATCATGTGCTGTGT	237
QY	67	ValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGluHisLysLysAsnIleSer	86
Db	238	GTGCTTTAAAGGAGGTTACAAATTCGTCTCATCTGTAGAACACCTTAAGAACATCAGC	297
QY	87	ArgAsnSerAspArgPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg	106
Db	298	CGAAATTCAGATCGATTGTCTCAATGAAGGTTTCATTCATCAGACTAAAAAGTTACAGG	357
QY	107	AsnAspGlnSerMetGlyCyluMetGlnIleIleGlyGlyAspLeuSerThrLeuAla	126
Db	358	AATGACCACTCCATGGGTGAGATGCAGATAATCGAGGCGGTGATCTTTCAACGCTGGCT	417
QY	127	GlyLysAsnPheLeuIleValGluAspValValGlyThrGlyArgThrMetLysAlaLeu	146
Db	418	GGAAAGAATGTTCTCATGTGTGAGAGATGTTGTCCGAACCTGGAGGCCATGAAGGAC	477
QY	147	LeuSerAsnIleGluLysTyrLysProAsnMetLysValAlaSerLeuLeuValLys	166
Db	478	CTCAGCAATATAGAGAAATACAGGCCCAACATGATTAAGGTAGCCAGTTTGTGGTGAAG	537
QY	167	ArgThrSerArgSerAspGlyPheArgProAspTyrAlaGlyPheGluIleProHisLeu	186
Db	538	AGAACATCCAGAAAGTACGGCTTTTAGACCTGACTATGCTGGATTTGAGATTTCCAACT	597
QY	187	PheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArgAspLeuAsnHisIleCys	206

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Db      598  TTTGTGGGGATATGCTTAGATTACAAATGAATACTTCAGAGATCTGAATCACATATGC 655
Qy      207  VallieAsnGluHisGly  212
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Db      658  GTCAATCAATGAGCAGCGT  675

RESULT 4
US-10-264-049-424
; Sequence 424, Application US/10264049
; Publication NO. US20040005579A1
; GENERAL INFORMATION:
; APPLICANT: Birse et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA133Pl
; CURRENT APPLICATION NUMBER: US/10/264,049
; CURRENT FILING DATE: 2002-10-04
; PRIOR APPLICATION NUMBER: PCI/US01/18569
; PRIOR FILING DATE: 2001-06-07
; PRIOR APPLICATION NUMBER: US 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 4360
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 424
; LENGTH: 1965
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-264-049-424

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Pred. No.: 2,7e-133      Length: 1965
Score: 1065.00      Matches: 203
Percent Similarity: 99.03%      Conservatives: 1
Best Local Similarity: 99.54%      Mismatches: 2
Query Match: 95.43%      Indels: 0
DB: 16      Gaps: 0

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US-09-902-705-2 (1-212) x US-10-264-049-424 (1-1965)

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Qy	27	HistTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleValAspArgIle	46
Db	117	CACATTATGGAGACTTGGAGTATGCTCATCCCTCATGGTATCATTTGTGCACAGAATT	176
Qy	47	GluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSerAspIleMetValLeuCys	66
Db	177	GAGCGCTGGCCAAAGGATATTATGAAGACATAGGATATAGTACATCATGGTCTGTGT	236
Qy	67	ValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGluHisLeuLysAsnIleSer	86
Db	237	GTGCTTAAGAGGAGTTACAAATTCGTGCTGATCTGTAGACACACTTAAGAACATCAGC	296
Qy	87	ArgAsnSerAspArgPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg	106
Db	297	CGAAATTCAGATCGAATTTGTCTCAATGAAGGTTGATTTCATCAGACTAAAGAGTTACAGG	356
Qy	107	AsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyAspLeuSerThrLeuAla	126
Db	357	AATGACCACTCCATGGTGAGATGCAGATAATCGGAGGCGATGATCTTTCAACGCTGGCT	416
Qy	127	GlyLysAsnPheLeuIleValGluAspValValClyThrGlyArgThrMetLysAlaLeu	146
Db	417	GGAAAGAAATGTTCTCATTTGTGAGATGTGTGCGAACTGGGAGGACCATGAAGAGCACTA	476
Qy	147	LeuSerAsnIleGluLysTyrLysProAsnMetIleLysValAlaSerLeuLeuValLys	166
Db	477	CTCAGCAATATAGAGAAATACAAGCCCAACATGATTAAAGGTAGCCAGTTTGTGTGGTAGA	536
Qy	167	ArgThrSerArgSerAspClyPheArgProAspTyrAlaGlyPheGluIleProHistLeu	186
Db	537	AGAACATCCAGAAGTCAGCGCTTTAGACCTGACTATCTCGATTTGGATTTCCAAACTTA	596

Db 86 ATGGGACCCGAGCCCTGGCTGCTGATTAGTAGTGAACACAGGTTATGACCTTGAT 145
Qy 21 LeupheThrTyProGlnHisTyTyGlyAspLeuGluTyValLeuIleProHisGly 40
Db 146 TTATTTTGCATACCTAATCATATGCTGAGGATTGGAAAGGGTGTATTCCTCAATGA 205
Qy 41 lleIleValAspArgIleGluArgLeuAlaTyAspIleMetLysAspIleGlyTySer 60
Db 206 CTAATATGGACAGACTGAACGCTCTGCTGAGATGTGATGAAGGAGATGGAGCCAT 265
Qy 61 AspIleMetValLeuCysValLeuIleGlyTyLysPheCysAlaAspLeuValGlu 80
Db 266 CACATGTGAGCCCTCTGTGCTCAAGGGGGCTATAAATCTTGTGCTGACCTGCTGGAT 325
Qy 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 326 TACATCAAGCACTGAATAGAAATAGTAGATCCATTCCTATGACTGTAGATTTATC 385
Qy 101 ArgLeuLysSerTyArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 120
Db 386 AGACTGAAGAGCTATTGTATGACCACTCAACAGGGGACATAAAGTAAATTTGGTGAGAT 445
Qy 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 446 GATCTCTCACTTAACTGGAAGAATGCTCTTGTGTTGGAGATATATATGACACTGAC 505
Qy 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyLysProAsnMetIleLysVal 160
Db 506 AAAACAATGCAGACTTTGCTTCTGCTCAGGAGTATATCAAAAGATGGTCAAGGTC 565
Qy 161 AlaSerLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyValAlaGly 180
Db 566 GCAGCTTGCTGGTGAAGAAGACCCACAGAGTGTGGATATAGCCAGACTTTGTTGA 625
Qy 181 PheGluIleProHisLeuPheValValGlyTyAlaLeuAspTyArgGluTyPheArg 200
Db 626 TTTGAAATCCAGACAAGTTTGTGTAGGATATGCTGCTGACTATAATGAATACTTCAGG 685
Qy 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 686 GATTGAAATCATGTTTGTGCTTATGTTAGTGAAGACTGGA 721

RESULT 9

US-10-641-643-1298
; Sequence 1298, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; Susan G. Stuart
; Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/641,643
; FILING DATE: 14-Aug-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0001 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1298:
SEQUENCE CHARACTERISTICS:
LENGTH: 1331 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: G32449
SEQUENCE DESCRIPTION: SEQ ID NO: 1298 :
US-10-641-643-1298
Alignment Scores:
Pred. No.: 8,06e-95 Length: 1331
Score: 779.00 Matches: 145
Percent Similarity: 83.02% Conservative: 31
Best Local Similarity: 68.40% Mismatches: 36
Query Match: 69.80% Indels: 0
DB: 17 Gaps: 0

US-09-902-705-2 (1-212) x US-10-641-643-1298 (1-1331)

Qy 1 MetAlaThrArgSerProGlyValValIleMetAspAspTrpProGlyTyAspLeuAsn 20
Db 86 ATGGGACCCGAGCCCTGGCTGCTGATTAGTAGTGAACACAGGTTATGACCTTGAT 145
Qy 21 LeupheThrTyProGlnHisTyTyGlyAspLeuGluTyValLeuIleProHisGly 40
Db 146 TTATTTTGCATACCTAATCATATGCTGAGGATTGGAAAGGGTGTATTCCTCAATGA 205
Qy 41 lleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTySer 60
Db 206 CTAATATGGACAGACTGAACGCTCTGCTCAGATGTGATGAAGAGATGGAGCCAT 265
Qy 61 AspIleMetValLeuCysValLeuLysGlyTyLysPheCysAlaAspLeuValGlu 80
Db 266 CACATGTGAGCCCTCTGTGCTCAAGGGGGCTATAAATCTTGTGCTGACCTGCTGGAT 325
Qy 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 326 TACATCAAGCACTGAATAGAAATAGTAGATCCATTCCTATGACTGTAGATTTATC 385
Qy 101 ArgLeuLysSerTyArgAsnAspGlnSerMetGlyGluMetGlnIleGlyGly 120
Db 386 AGACTGAAGAGCTATTGTATGACCACTCAACAGGGGACATAAAGTAAATTTGGTGAGAT 445
Qy 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 446 GATCTCTCACTTAACTGGAAGAATGCTTGTGTTGGAGATATATATGACACTGCTG 505
Qy 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyLysProAsnMetIleLysVal 160
Db 506 AAAACAATGCAGACTTTGCTTCTTGTGCTCAGGAGTATATCAAAAGATGGTCAAGGTC 565
Qy 161 AlaSerLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyValAlaGly 180
Db 566 GCAGCTTGCTGGTGAAGAAGACCCACAGAGTGTGGATATAGCCAGACTTTGTTGA 625
Qy 181 PheGluIleProHisLeuPheValValGlyTyAlaLeuAspTyArgGluTyPheArg 200
Db 626 TTTGAAATCCAGACAAGTTTGTGTAGGATATGCTTGTGACTATAATGAATACTTCAGG 685
Qy 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 686 GATTGAAATCATGTTTGTGCTTATGTTAGTGAAGACTGGA 721

RESULT 10
 US-10-044-090-283
 ; Sequence 283, Application US/10044090
 ; Publication No. US20020137081A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olga Bandman
 ; TITLE OF INVENTION: GENES DIFFERENTIALLY EXPRESSED IN VASCULAR TISSUE ACTIVATION
 ; FILE REFERENCE: PA-0028 US
 ; CURRENT APPLICATION NUMBER: US/10/044,090
 ; CURRENT FILING DATE: 2002-01-09
 ; NUMBER OF SEQ ID NOS: 850
 ; SOFTWARE: PERL Program
 ; SEQ ID NO 283
 ; LENGTH: 1365
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc feature
 ; OTHER INFORMATION: Incyte ID No. US20020137081A1 1291103CB1
 US-10-044-090-283

Alignment Scores:
 Pred. No.: 8,38e-95 Length: 1365
 Score: 779.00 Matches: 145
 Percent Similarity: 83.02% Conservative: 31
 Best Local Similarity: 68.40% Mismatches: 36
 Query Match: 69.80% Indels: 0
 DB: 14 Gaps: 0

US-09-902-705-2 (1-212) x US-10-044-090-283 (1-1365)

Qy	1	MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn	20
Db	109	ATGGCGACCGCGACCGCTCGTATAGTAGTATGAACACAGGTATGACCTGAT	168
Qy	21	LeuPheThrTyrProGlnHisTyrGlyAspLeuGluTyrValLeuIleProHisGly	40
Db	169	TTATTTTGATACCTAATCATATGCTGAGGATTTGGAAGGGTCTTTATTCCTCATGGA	228
Qy	41	IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer	60
Db	229	CTAATTATGACAGGACTGAACGCTCTGCTCGAGATGATGAAGAGATGGAGGCCAT	288
Qy	61	AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu	80
Db	289	CACATTGTAGCCCTCTGTGTGCTCAAGGGGGCTATAAATCTTTGCTGACCTGCTGGAT	348
Qy	81	HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle	100
Db	349	TACATCAACCACTGAATAGAAATAGTAGATCCATTCCCTATGACTGTAGATTTTATC	408
Qy	101	ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly	120
Db	409	AGACTGAAGAGCTATTGTAATGACCACTCAACAGGGGACATATAAAGTAAATGGTGAGAT	468
Qy	121	AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly	140
Db	469	GATCTCTCAACTTTACTGGAAGAATGCTGTATGTTGGAAGATATTAATGACACTGGC	528
Qy	141	ArgThrMetLysAlaLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal	160
Db	529	AAAACAATGACAGCTTTGCTTCTTCTGTCAGGAGTATAATCCAAAGATGTCGAAGTC	588
Qy	161	AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly	180
Db	589	GCAAGCTTGTGTGTGAAGAGGACCCACCAAGAGTTGGATATAAGCCAGACTTTGTTGGA	648
Qy	181	PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg	200
Db	649	TTTGAAATCCACACAAGTTTGTGTAGGATATGCCCTTGACTATAATGAATACATTCAGG	708
Qy	201	AspLeuAsnHisIleCysValIleAsnGluHisGly	212

Db 709 GATTTGAATCATGTTTGTGTCATTAGTGAAACTGGA 744

RESULT 11
 US-09-925-664-13
 ; Sequence 13, Application US/09925664
 ; Patent No. US20020160006A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Denney, Jr., Dan W.
 ; TITLE OF INVENTION: Methods of Treating Lymphoma and Leukemia
 ; FILE REFERENCE: GENITOPE-06499
 ; CURRENT APPLICATION NUMBER: US/09/925,664
 ; CURRENT FILING DATE: 2001-08-09
 ; PRIOR APPLICATION NUMBER: 09/370,453
 ; PRIOR FILING DATE: 1999-08-09
 ; PRIOR APPLICATION NUMBER: 08/644,664
 ; PRIOR FILING DATE: 1996-05-01
 ; PRIOR APPLICATION NUMBER: 08/761,277
 ; PRIOR FILING DATE: 1996-12-06
 ; NUMBER OF SEQ ID NOS: 80
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 13
 ; LENGTH: 1289
 ; TYPE: DNA
 ; ORGANISM: Mus musculus
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (88)..(741)
 ; OTHER INFORMATION:
 US-09-925-664-13

Alignment Scores:
 Pred. No.: 6,8e-94 Length: 1289
 Score: 772.00 Matches: 144
 Percent Similarity: 83.02% Conservative: 32
 Best Local Similarity: 67.92% Mismatches: 36
 Query Match: 69.18% Indels: 0
 DB: 9 Gaps: 0

US-09-902-705-2 (1-212) x US-09-925-664-13 (1-1289)

Qy	1	MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn	20
Db	88	ATCCGACCCGCGAGTCCCGCTGATTTAGCGATGATGAACACAGGTATGACCTAGAT	147
Qy	21	LeuPheThrTyrProGlnHisTyrGlyAspLeuGluTyrValLeuIleProHisGly	40
Db	148	TTGTTTTGTATACCTAATCATTTATCCGAGGATTTGGAAAAAGTGTATTTCCTCATGGA	207
Qy	41	IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer	60
Db	208	CTGATTATGACAGGACTGAAAGACTTGTCTGAGATGTCATGAAGAGATGGAGGCCAT	267
Qy	61	AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu	80
Db	268	CACATTGTGGCCCTCTGTGCTCAAGGGGGCTATAAAGTCTTTGCTGACCTGCTGGAT	327
Qy	81	HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle	100
Db	328	TACATTAAAGCACTGATAGAAATAGTAGATCCATTCCCTATGACTGTAGATTTTATC	387
Qy	101	ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly	120
Db	388	AGACTGAAGAGCTACTGTAAATGATCAGTCAACGGGGGACATATAAAGTAAATGGTGAGAT	447
Qy	121	AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly	140
Db	448	GATCTCTCAACTTTACTGGAAGAATGCTTTGATTTGTTGAAGATATTAATGACACTGGT	507
Qy	141	ArgThrMetLysAlaLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal	160
Db	508	AAAACAATGCAAACTTTGCTTCTTCTGTTAAGCAGTACAGCCCAAAATGTTAAGTT	567
Qy	161	AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly	180

Qy 100 IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 119
Db 4526 ATCAGACTGAAGAGCTATTGTATGACCACTCAACAGGGGACATATAAGTAAATGGTGA 4585
Qy 120 GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr 139
Db 4586 GATGATCTCTCAACTTTAACTGCGAAAGATGCTTGAATGTGGAAGATATAATTGACACT 4645
Qy 140 GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys 159
Db 4646 GGCACCAACATGACACTTTGCTTTCCTTGGTCAGCAGTATATCAACAGATGCTCAAG 4705
Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
Db 4706 GTCGCAAGCTTGCTGCGTGAAGAGCCCAAGAGTGTGGATATATAAGCCAGACTTTGTT 4765
Qy 180 GlyPheGluIleProHisLeupheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
Db 4766 GGATTTGAAATCCACAGCAAGTTGTTGAGGATATGCCCTTGACTATATGAATGAACTTC 4825
Qy 200 ArgAspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 4826 AGGATTTGAATCATGCTTTGTGTCATTAGTGAACCTGGA 4864

RESULT 14
US-10-331-329-27
; Sequence 27, Application US/10331329
; Publication No. US20030180267A1
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERP, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
; TITLE OF INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003CON
; CURRENT APPLICATION NUMBER: US/10/331,329
; CURRENT FILING DATE: 2002-12-30
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 5314
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-331-329-27

Alignment Scores:
Pred. No.: 1,86e-92 Length: 5314
Score: 768.50 Matches: 145
Percent Similarity: 82.63% Conservative: 31
Best Local Similarity: 68.08% Mismatches: 36
Query Match: 68.86% Indels: 1
DB: 15 Gaps: 1

US-09-902-705-2 (1-212) x US-10-331-329-27 (1-5314)

Qy 1 MetAlaThr---ArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeu 19
Db 4293 ATGCTACAGTGCAGCCCGCTGCGTGAATAGTAGATGATGAACACAGGTTATGACCTT 4352
Qy 20 AsnLeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHis 39
Db 4353 GATTATTTTGCATACCTAATCATATTATGCTGAGGATTTGGAAGGGTGTATTCTCTCAT 4412

Qy 40 GlyIleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr 59
Db 4413 GGACTAATTTATGACAGGACTGAACGCTTCTTCTCGAGATGTGATGAAGAGATGGAGGC 4472
Qy 60 SerAspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuVal 79
Db 4473 CATCACTTGTAGCCCTCTGTGTCTCAAGGGGGCTATAAATCTTTGCTGACCTGCTG 4532
Qy 80 GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe 99
Db 4533 GATTACATCAAGCACTGATAGAAATAGTGNATGATCCATTCCTATGACTGTAGATTTT 4592
Qy 100 IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 119
Db 4593 ATCAGACTCAAGAGCTATTGTTAATGACCACTCAACAGGGGACATATAAAGTAAATGGTGA 4652
Qy 120 GlyAspLeuSerThrLeuAlaGlyLysAsnPheIleValGluAspValValGlyThr 139
Db 4653 GATGATCTCTCAACTTTAACTGGAAGAAATGCTTTGATTGTGGAAAGATATATATGACACT 4712
Qy 140 GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys 159
Db 4713 GGCACCAACATGACAGACTTTGCTTTCCTTGGTCAGCAGTATATCAACAGATGCTCAAG 4772
Qy 160 ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla 179
Db 4773 GTCGCAAGCTTGCTGCGTGAAGAGCCCAAGAGTGTGGATATATAAGCCAGACTTTGTT 4832
Qy 180 GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe 199
Db 4833 GGATTTGAAATCCACAGCAAGTTGTTGAGGATATGCCCTTGACTATATGAATGAACTTC 4892
Qy 200 ArgAspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 4893 AGGATTTGAATCATGCTTTGTGTCATTAGTGAACCTGGA 4931

RESULT 15
US-10-191-803-870
; Sequence 870, Application US/10191803
; Publication No. US20040014040A1
; GENERAL INFORMATION:
; APPLICANT: MENDRICK, Donna
; APPLICANT: PORTER, Mark
; APPLICANT: JOHNSON, Kory
; APPLICANT: HIGGS, Brandon
; APPLICANT: CASTLE, Arthur
; APPLICANT: ELASHOFF, Michael
; TITLE OF INVENTION: Cardiotoxin Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5090US
; CURRENT APPLICATION NUMBER: US/10/191,803
; CURRENT FILING DATE: 2002-07-10
; PRIOR APPLICATION NUMBER: US 60/303,819
; PRIOR FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: US 60/305,623
; PRIOR FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: US 60/369,351
; PRIOR FILING DATE: 2002-04-03
; PRIOR APPLICATION NUMBER: US 60/377,611
; PRIOR FILING DATE: 2002-05-06
; NUMBER OF SEQ ID NOS: 1140
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 870
; LENGTH: 853
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20040014040A1 M63983
US-10-191-803-870

Alignment Scores:
Pred. No.: 1,24e-93 Length: 853
Score: 768.00 Matches: 143

Percent Similarity: 83.02% Conservative: 33
 Best Local Similarity: 67.45% Mismatches: 36
 Query Match: 68.82% Indels: 0
 DB: 16 Gaps: 0

US-09-902-705-2 (1-212) x US-10-191-803-870 (1-853)

QY	1	MetAlaThrArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeuAsn	20
DB	99	ARGTCGACCCCTCAGTCCAGCGTCTGATTAGTGATGATGAACGAGTTATGACCTAGAT	158
QY	21	LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly	40
DB	159	TTATTTTCATACCTAATCATTTATGCTGAAGATTGGAAAAGGTGTTTATTCCTCATGA	218
QY	41	IleIleValAspArgIleGluArgLeuAlaIleAspIleMetIleAspIleGlyTyrSer	60
DB	219	CTGATTATGGACAGACTGAAAGACTTGTCTGAGATGTCATGAAGGAGATGGAGGCCAT	278
QY	61	AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu	80
DB	279	CACATTGGCCCTCTGTGCTCGAAGGGGGCTATAAGTTCTTTGCTGACCTGCTGGAT	338
QY	81	HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle	100
DB	339	TACATTAAAGCGCTGAATAGAAATAGTCATAGGTCCATTCCTATGACTGTAGATTTATC	398
QY	101	ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyGly	120
DB	399	AGACTGAAGAGCTACTGTAATGACCACTCAACGGGGGACATAAAGTTATTTGGTGAGAT	458
QY	121	AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly	140
DB	459	GATCTCTCAACTTTAACTGGAAGAACGCTCTTGATTGTTGAAGATATAATTGACACTGGT	518
QY	141	ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal	160
DB	519	AAACAAATGCAGACTTTCCTTCTTGGTCAAGCAGTACAGCCCAAAATGGTTAAGGTT	578
QY	161	AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly	180
DB	579	GCAAGCTTGCTGGTGAAGAGACCTCTCGAAGTGTGGATACAGGCCAGACTTTGTTGA	638
QY	181	PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg	200
DB	639	TTTGAATTCAGACAAAGTTTGTGTTGGATATGCCCTTGACTATAATGACACTTCAGG	698
QY	201	AspLeuAsnHisIleCysValIleAsnGluHisGly	212
DB	699	GATTGATCATGTTTGTGTCATCAGCGAAAGTGA	734

Search completed: August 28, 2004, 16:43:36
 Job time : 489 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: August 28, 2004, 14:49:52 ; Search time 83 Seconds
(without alignments)

1417.465 Million cell updates/sec

Title: US-09-902-705-2

Perfect score: 1116

Sequence: 1 MATRSPGVIMDDWPGYDLN.....LDYNEYFRDLNHCIVINEHG 212

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCMALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEADSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA.*
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3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
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6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1116	100.0	1386	4	US-09-189-833B-1
2	1069	95.8	1927	4	US-09-786-240-19
3	779	69.8	1331	4	US-09-023-655-1298
4	772	69.2	1289	2	US-08-544-664B-13
5	772	69.2	1289	2	US-08-761-277A-13
6	768.5	68.9	5247	4	US-09-479-122-20
7	768.5	68.9	5247	4	US-09-484-997-20
8	768.5	68.9	5247	4	US-09-481-355-20
9	768.5	68.9	5247	4	US-09-481-282-20
10	768.5	68.9	5247	4	US-09-455-659A-20
11	768.5	68.9	5247	4	US-09-484-996-20
12	768.5	68.9	5247	4	US-09-479-123-20

13	768.5	68.9	5314	4	US-09-479-122-27	Sequence 27, Appl
14	768.5	68.9	5314	4	US-09-484-997-27	Sequence 27, Appl
15	768.5	68.9	5314	4	US-09-481-355-27	Sequence 27, Appl
16	768.5	68.9	5314	4	US-09-481-282-27	Sequence 27, Appl
17	768.5	68.9	5314	4	US-09-455-659A-27	Sequence 27, Appl
18	768.5	68.9	5314	4	US-09-484-996-27	Sequence 27, Appl
19	768.5	68.9	5314	4	US-09-479-123-27	Sequence 27, Appl
20	762	68.3	1761	4	US-09-023-655-223	Sequence 223, App
21	263.5	23.6	603	4	US-09-107-532A-992	Sequence 992, App
22	247.5	22.2	5919	3	US-08-987-123-4	Sequence 2, Appli
23	247.5	22.2	21338	4	US-08-961-527-20	Sequence 20, Appli
24	239.5	21.5	6115	4	US-08-956-171E-148	Sequence 148, App
25	238.5	21.4	546	4	US-09-134-001C-481	Sequence 481, App
C 26	227.5	20.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
C 27	227.5	20.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
C 28	210.5	18.9	4530	4	US-09-221-017B-913	Sequence 913, App
C 29	210	18.8	558	4	US-09-540-236-385	Sequence 385, App
C 30	210	18.8	39003	4	US-09-595-002-21	Sequence 21, Appl
C 31	202.5	18.1	555	4	US-09-483-039A-5319	Sequence 5319, Ap
C 32	194	17.4	546	4	US-09-543-681A-1796	Sequence 1796, Ap
C 33	193	17.3	130	2	US-08-631-751A-1	Sequence 1, Appli
C 34	190	17.0	537	4	US-09-328-352-839	Sequence 839, App
C 35	189	16.9	640681	4	US-09-790-988-1	Sequence 1, Appli
C 36	189	16.9	1830121	4	US-09-557-884-1	Sequence 1, Appli
C 37	189	16.9	1830121	4	US-09-643-990A-1	Sequence 1, Appli
C 38	162.5	14.6	645	4	US-09-252-931A-14041	Sequence 14041, A
C 39	139.5	12.5	580073	4	US-08-545-528D-1	Sequence 1, Appli
C 40	125.5	11.2	549	4	US-09-134-000C-2679	Sequence 2679, Ap
C 41	122.5	11.0	14654	4	US-08-961-527-106	Sequence 106, App
C 42	119	10.7	540	4	US-09-107-532A-1376	Sequence 1376, Ap
C 43	118.5	10.6	1830121	4	US-09-557-884-1	Sequence 1, Appli
C 44	118.5	10.6	1830121	4	US-09-643-990A-1	Sequence 1, Appli
C 45	116	10.4	1956	4	US-09-489-039A-3520	Sequence 3520, Ap

ALIGNMENTS

RESULT 1
US-09-189-833B-1
; Sequence 1, Application US/09189833B
; Patent No. 6653446
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 1
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (626)..(1264)
US-09-189-833B-1

Alignment Scores:
Pred. No.: 1,77e-145 Length: 1386
Score: 1116.00 Matches: 212
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-902-705-2 (1-212) x US-09-189-833B-1 (1-1386)

Qy 1 MetAlaThrArgSerProGlyValValIleMetAspAspTrpProGlyTyrAspLeuAsn 20

Db 626 ATGGCGACCCAGCCCTGGCGTCTGATTTATGATGATGGCCAGGGTATGACTTGAAT 685
Qy 21 LeuPheThrTyrProGlnHisTyrGlyAspLeuGluTyrValLeuLeuProHisGly 40
Db 686 TTATTCACGTACCCACAGCACTATTATGGAGACTTGGAGTATGCTCTCATCCCTCATGT 745
Qy 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
Db 746 ATCATTTGGACAGAAATGGCGCTTAAAGGGGGGTACAAATTTCTGCTGATCTGTAGAA 805
Qy 61 AspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGlu 80
Db 806 GACATCATGTCCTGTGTGCTTAAAGGGGGGTACAAATTTCTGCTGATCTGTAGAA 865
Qy 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 866 CACCTTTAAGAACATCAGCCGAAATTCAGATCGGTTTCTCTCAATGAAGGTTCATTTTCATC 925
Qy 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyGly 120
Db 926 AGACTAAAGTTACAGGATGACCATGCTCCATGGGTGAGATGCGAGTATTCGAGGCGGT 985
Qy 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 986 GATCTTTCAACGCTGGCTGGAAGAAATTTCTCATTTGTTGAGGATGTTGTCGAACTGGG 1045
Qy 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetLysVal 160
Db 1046 AGGACCATGAAGCACTACTCAGCAATATAGAGAAATACAGCCCAACATGATTAAGGTA 1105
Qy 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
Db 1106 GCCAGTTTGTGGTGAAGAGAACATCCAGAAAGTACGGCTTTAGACCTGACTATGCTGA 1165
Qy 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
Db 1166 TTTGAGATTCCACACTTATTGTTGGTGGATATGCTTATGATTACAAATGAACTACTCAGA 1225
Qy 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 1226 GATCTGATCATCATATGCTGATCATGATGACGCGG 1261

RESULT 2

US-09-786-240-19
; Sequence 19, Application US/09786240
; Patent No. 6558935
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: TANG, Y. Tom
; APPLICANT: CORLEY, Neil C.
; APPLICANT: GUEGLER, Karl J.
; APPLICANT: BAUGHN, Maria R.
; APPLICANT: LAL, Preeti
; APPLICANT: YUE, Henry
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: AZIMZAI, Yalda
; TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
; FILE REFERENCE: PF-0592 PCT
; CURRENT APPLICATION NUMBER: US/09/786,240
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/150,657; unassigned; 09/186,779; unassigned; 60/133,642
; PRIOR FILING DATE: 1998-09-10; 1998-09-10; 1998-11-04; 1998-11-04; 1999-05-11
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PERL Program
; SEQ ID NO 19
; LENGTH: 1927
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6558935 1404963CB1
US-09-786-240-19

Alignment Scores: 1.06e-138 Length: 1927
Pred. No.: 1069.00 Matches: 203
Score: 99.51% Conservative: 2
Best Local Similarity: 98.54% Mismatches: 1
Query Match: 95.79% Indels: 0
DB: 4 Gaps: 0

US-09-902-705-2 (1-212) x US-09-786-240-19 (1-1927)

Qy 7 GlyValValIleMetAspAspTyrProGlyTyrAspLeuAsnLeuPheThrTyrProGln 26
Db 58 GGCGTCGTGATTATGATGATGGCCAGGGTATGACTTGAATTTATTCACGTACCCACAG 117
Qy 27 HisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGlyIleIleValAspArgIle 46
Db 118 CACTATTATGGAGACTTGGAGTATGCTCTCATCCCTCATGGTATCATTTGTGACAGAAT 177
Qy 47 GluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSerAspIleMetValLeuCys 66
Db 178 GAGCGCTGCCCAAGGATATTATGAAGACATAGGATATAGTACATCATGGTCTGTGT 237
Qy 67 ValLeuLysGlyGlyTyrLysPheCysAlaAspLeuValGluHisLeuLysAsnIleSer 86
Db 238 GTGCTTAAAGGAGGTTACAAATTTCTGCTGATCTCGTAGAACACCTTAAAGAACATCAGC 297
Qy 87 ArgAsnSerAspArgPheValSerMetLysValAspPheIleArgLeuLysSerTyrArg 106
Db 298 CGAAATTCAGATCGATTTGCTCAATGAAGGTGATTTTCATCAGACTAAAGTTACAGG 357
Qy 107 AsnAspGlnSerMetGlyGluMetGlnIleIleGlyGlyAspLeuSerThrLeuAla 126
Db 358 AATGACCAGTCCATGGGTGAGATGACAGATAATCGGAGCGGTGATCTTTCAACGTGGCT 417
Qy 127 GlyLysAsnPheLeuIleValGluAspValValGlyThrGlyArgThrMetLysAlaLeu 146
Db 418 GSAAGAAATGTTCTCATTTGTTGAGGATGTTGCGAACTGGGAGGACCATGAAGCACTA 477
Qy 147 LeuSerAsnIleGluLysTyrLysProAsnMetIleLysValAlaSerLeuValLys 166
Db 478 CTCAGCAATATAGAGAAATACAGCCCAACATGATTAAGTAGCCAGTTTGTGGTGAAG 537
Qy 167 ArgThrSerArgSerAspGlyPheArgProAspTyrAlaGlyPheGluIleProHisLeu 186
Db 538 AGAACATCCAGAAAGTACGGCTTTAGACCTGACTATGCTGGATTTGAGATTTCCAACTTA 597
Qy 187 PheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArgAspLeuAsnHisIleCys 206
Db 598 TTTGTGGTGGATATGCCCTTAGATTACATGATGATTAATCTTCAGAGATCTGAATCATATGC 657
Qy 207 ValIleAsnGluHisGly 212
Db 658 GTCATCAATGAGCACGGT 675

RESULT 3

US-09-023-655-1298
; Sequence 1298, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304


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;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HEREMITH
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 1298:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1331 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENEANK
; CLONE: G32449
; US-09-023-655-1298

Alignment Scores:
Pred. No.: 1,586-98 Length: 1331
Score: 779.00 Matches: 145
Percent Similarity: 83.02% Conservative: 31
Best Local Similarity: 68.40% Mismatches: 36
Query Match: 69.80% Indels: 0
DB: 4 Gaps: 0

US-09-902-705-2 (1-212) x US-09-023-655-1298 (1-1331)

Qy 1 MetAlaThrArgSerProGlyValValIleMetAspTyrProGlyTyrAspLeuAsn 20
Db 86 ATGCGACCGCGACGCTGCGTCAAGGGGGCTATAAATCTTGTGACCTGCTGGT 145
Qy 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
Db 146 TTATTTGCATCACTAATCATTTATGCTGAGGATTTGGAAGGGTGTATTCTTCATCGA 205
Qy 41 IleIleValAspArgLeuGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
Db 206 CTAATTATGACAGGACTGAACGCTTGTCTCGAGATGTGATGAAGAGATGGAGGCCAT 265
Qy 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
Db 266 CACATTTGACCTCTGTGTCTCAAGGGGGCTATAAATCTTGTGACCTGCTGGT 325
Qy 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 326 TACATCAAGCACTGAATGAATAAGTAGTAGATCCATTCCTATGACTGATGATTTATC 385
Qy 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 120
Db 386 AGACTGAAGAGCTATTGTAATGACCTACAGTCAAGGGGACATTAATGATTTGTTGAGAT 445
Qy 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 446 GATCTCTCACTTTAAGTGAAGAAGATGCTTCTGATTGTGGAAGATATAATTCACACTGC 505
Qy 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
Db 506 AAAACAAATGCAGACTTTGCTTCTTCTGGTCAGGAGATATAATCCAAAGATGTCAGGTC 565

;
; 161 AlaserLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
; 566 GCAGCTTCTGCTGTAAGAGGACCCACGAGAGTGTGGATATAGCCAGACTTTGTTGGA 625
; 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPheArg 200
; 626 TTGGAATTCACAGCAAGTTTCTGTAGGATATGCCCTTGACTATATGAATGAATCTTCAG 685
; 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
; 686 GATTGATCATGTTTGTGTCATTAGTGAACCTGGA 721

RESULT 4
US-08-644-664B-13
; Sequence 13, Application US/08644664B
; Patent No 5776745
; GENERAL INFORMATION:
; APPLICANT: Denney Jr., Dan W.
; TITLE OF INVENTION: Gene Amplification Methods
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/644,664B
; FILING DATE: 01-MAY-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ingolia, Diane E.
; REGISTRATION NUMBER: 40,027
; REFERENCE/DOCKET NUMBER: GENITOPE-00912
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1289 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88..741
; US-08-644-664B-13

Alignment Scores:
Pred. No.: 1,426-97 Length: 1289
Score: 772.00 Matches: 144
Percent Similarity: 83.02% Conservative: 32
Best Local Similarity: 67.92% Mismatches: 36
Query Match: 69.18% Indels: 0
DB: 1 Gaps: 0

US-09-902-705-2 (1-212) x US-08-644-664B-13 (1-1289)

Qy 1 MetAlaThrArgSerProGlyValValIleMetAspTyrProGlyTyrAspLeuAsn 20
Db 88 ATGCGACCGCGACGCTCCAGCGTGTGATTAGCGATGATGAACCGAGTTATGACCTAGAT 147
Qy 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
Db 148 TTGTTTGTATACCTAATCATTTATGCCGAGGATTTGGAAAAAGTGTATTCTTCATCGA 207
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QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
Db 208 CTGATTATGGACGACTGAAAGACTTCTCGATGTCTCATGAGGAGATGGAGGCCAT 267
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
Db 268 CACAATTGTGGCCCTCTGTGTCTCAAGGGGGCTATAAGTTCTTTGCTGACCTGCTGGAT 327
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 328 TACATTAAGCAGCTGAAAGAAATAGTATAGATCCATTCTCTATGACTGTAGATTTTATC 367
QY 101 ArgLeuLysSerTyrArgAsnAspGluSerMetGlyGluMetGlnIleIleGlyGly 120
Db 388 AGACTGAAGAGACTCTGTAATGATCAGTCAACGGGGGACATAAAAGTTATTGGTGAGAT 447
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 448 GATCTCTCAACTTTAACTGGAAGAATGTCTTGATTTGGAAGATATAATTTGACACTGGT 507
QY 141 ArgThrMetLeuAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
Db 508 AAAACAATGCAAACTTCTCTGTTTCCGTTAAGCAGTACAGCCCAAAATGGTTAAGTT 567
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
Db 568 GCAAGCTTGCTGGTGAAGAGACCTCTCGAAGTGTGATACAGCCGACAGACTTTGTTGGA 627
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrLysGluTyrPheArg 200
Db 628 TTTGAAATTCAGACAACTTGTGTTGGATATGCCCTTGACTATAATGACTACTTCAGG 687
QY 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 688 AATTGGAATCAGCTTGTGTCTATTAGTGAAGAACTGGA 723

RESULT 5

US-08-761-277A-13
; Sequence 13, Application US/08761277A
; Patent No. 5972334
; GENERAL INFORMATION:
; APPLICANT: Denney Jr., Dan W.
; TITLE OF INVENTION: Vaccines For Treatment Of Lymphoma And
; TITLE OF INVENTION: Leukemia
; NUMBER OF SEQUENCES: 80
; CORRESPONDENCE ADDRESS:
; ADDRESS: Medlen & Carroll, LLP
; STREET: 220 Montgomery Street, Suite 2200
; CITY: San Francisco
; STATE: California
; COUNTRY: United States Of America
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/761,277A
; FILING DATE: 06-DEC-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/644,664
; FILING DATE: 01-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MacKnight, Kamrin T.
; REGISTRATION NUMBER: 38,230
; REFERENCE/DOCKET NUMBER: GENITOPF-02406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 705-8410
; TELEFAX: (415) 397-8338
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:

; LENGTH: 1289 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 88...741
US-08-761-277A-13
Alignment Scores:
Pred. No.: 1,42e-97 Length: 1289
Score: 772.00 Matches: 144
Percent Similarity: 83.02% Conservative: 32
Best Local Similarity: 67.92% Mismatches: 36
Query Match: 69.18% Indels: 0
DB: 2 Gaps: 0
US-09-902-705-2 (1-212) x US-08-761-277A-13 (1-1289)

QY 1 MetAlaThrArgSerProGlyValValIleMetAspAspTyrProGlyTyrAspLeuAsn 20
Db 88 ATGCCGACCCGAGTCCAGCGTCGTGATTAGCGATGATGAACAGGTTATGACCTAGAT 147
QY 21 LeuPheThrTyrProGlnHisTyrTyrGlyAspLeuGluTyrValLeuIleProHisGly 40
Db 148 TTGTTTGTATACCTAATCATTAATATGCGAGGATTGGAAAAAGTGTATTCTCTCATGGA 207
QY 41 IleIleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyrSer 60
Db 208 CTGATTATGGACGAGCTGAAAGACTGTCTCGAGATGTCTGAAGAGATGGAGGCCAT 267
QY 61 AspIleMetValLeuCysValLeuLysGlyTyrLysPheCysAlaAspLeuValGlu 80
Db 268 CACATTGTGGCCCTCTGTGTCTCAAGGGGGCTATAAGTTCTTTGCTGACCTGCTGGAT 327
QY 81 HisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPheIle 100
Db 328 TACATTAAGCAGCTGAAAGAAATAGTATAGATCCATTCTCTATGACTGTAGATTTTATC 387
QY 101 ArgLeuLysSerTyrArgAsnAspGlnSerMetGlyGluMetGlnIleIleGlyGly 120
Db 388 AGACTGAAGAGCTACTGTAATGATCAGTCAACGGGGGACATAAAAGTTATTGGTGAGAT 447
QY 121 AspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThrGly 140
Db 448 GATCTCTCAACTTTAACTGGAAGAATGTCTTGATTTGGAAGATATAATTTGACACTGGT 507
QY 141 ArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLysVal 160
Db 508 AAAACAATGCAAACTTGTGTTCCCTGGTTAGCAGTACAGCCCAAAATGGTTAAGTT 567
QY 161 AlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAlaGly 180
Db 568 GCAAGCTTGCTGGTGAAGAGACCTCTCGAAGTGTGATACAGCCGACAGCTTTGTTGGA 627
QY 181 PheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrLysGluTyrPheArg 200
Db 628 TTTGAAATTCAGACAACTTGTGTTGGATATGCCCTTGACTATAATGACTACTTCAGG 687
QY 201 AspLeuAsnHisIleCysValIleAsnGluHisGly 212
Db 688 AATTGGAATCAGCTTGTGTCTATTAGTGAAGAACTGGA 723

RESULT 6

US-09-479-122-20
; Sequence 22, Application US/09479122
; Patent No. 6410266
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF

QY	40	GyVlelleValAspArgIleGluArgLeuAlaLysAspIleMetLysAspIleGlyTyr	59
Db	4346	GCACTAATTATGGACAGCACTGAACGCTTGTCTCGAGATGTGATGAAGCAGATCGGAGGC	4405
QY	60	SerAspIleMetValLeuCysValLeuLysGlyGlyTyrLysPheCysAlaAspLeuVal	79
Db	4406	CATCATTTGTAGCCCTCTGTGTGCTCAAGGGGGCTATAAATCTTTTGCTGCACCTGCTG	4465
QY	80	GluHisLeuLysAsnIleSerArgAsnSerAspArgPheValSerMetLysValAspPhe	99
Db	4466	GATTACATCAAGCACCTGAATAGNAATAGTATAGATCCATTCCTATGACTGTAGATTTT	4525
QY	100	IleArgLeuLysSerTyrArgAsnAspGlnSerMetGlyLysMetGlnIleIleGlyGly	119
Db	4526	ATCAGACTGAAGAGCTATTGTAAATGACAGTCAACAGGGGCAATAAAAGTAATTTGGTGGGA	4585
QY	120	GlyAspLeuSerThrLeuAlaGlyLysAsnPheLeuIleValGluAspValValGlyThr	139
Db	4586	GATGATCTCTCAACTTTAACTGGAAAGAAGTGCTTGATTGTGGAAGATATATATAGACACT	4645
QY	140	GlyArgThrMetLysAlaLeuLeuSerAsnIleGluLysTyrLysProAsnMetIleLys	159
Db	4646	GCATAACAATGCAGACTTTGCTTCCTTGGTCAGGCAGATATAATCCAAAGATGTCACAG	4705
QY	160	ValAlaSerLeuLeuValLysArgThrSerArgSerAspGlyPheArgProAspTyrAla	179
Db	4706	GTCGCAAGCTTGCTGGTGAAGAAGGCCCAAGAGTGTTGGATATAAAGCCAGACTTTGTT	4765
QY	180	GlyPheGluIleProHisLeuPheValValGlyTyrAlaLeuAspTyrAsnGluTyrPhe	199
Db	4766	GGATTGAAATTCAGACCAAGTTTGTGTAGGATATGCCCTTGACTATATAGTAATCTTC	4825
QY	200	ArgAspLeuAsnHisIleCysValIleAsnGluHisGly	212
Db	4826	AGGGATTTGAATCATGTTTGTGCTATTAGTGAACCTGGA	4864

RESULT 10

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US-09-455-659A-20
; Sequence 20, Application US/09455659A
; Patent No. 6602686
; GENERAL INFORMATION:
; APPLICANT: HARRINGTON, JOHN J.
; APPLICANT: SHERF, BRUCE
; APPLICANT: RUNDLETT, STEPHEN
; TITLE OF INVENTION: COMPOSITIONS AND METHODS
; FOR THE INVENTION: ENDOGENOUS GENES
; FILE REFERENCE: 0221-0003A
; CURRENT APPLICATION NUMBER: US/09/455,659A
; CURRENT FILING DATE: 1999-12-07
; PRIOR APPLICATION NUMBER: 09/276,820
; PRIOR FILING DATE: 1999-03-26
; PRIOR APPLICATION NUMBER: 09/263,814
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 09/253,022
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: 09/159,643
; PRIOR FILING DATE: 1998-09-24
; PRIOR APPLICATION NUMBER: 08/941,223
; PRIOR FILING DATE: 1997-09-26
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 5247
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-455-659A-20

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Alignment Scores:		
Pred. No.:	3,978-96	Length: 5247
Score:	768.50	Matches: 145
Percent Similarity:	82.63%	Conservative: 31
Best Local Similarity:	68.08%	Mismatches: 36

[illegible]

RESULT 11
US-09-484-996-20
Sequence 20, Application US/09484996
Patent No. 6623958
GENERAL INFORMATION:
APPLICANT: HARRINGTON, JOHN J.
APPLICANT: SHERP, BRUCE
APPLICANT: RUNDLETT, STEPHEN
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
TITLE OF INVENTION: ENDOGENOUS GENES
FILE REFERENCE: 0221-0003H
CURRENT APPLICATION NUMBER: US/09/484,996
CURRENT FILING DATE: 2000-01-18
PRIOR APPLICATION NUMBER: 09/276,820
PRIOR FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: 09/263,814
PRIOR FILING DATE: 1998-03-08
PRIOR APPLICATION NUMBER: 09/253,022
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: 09/159,643
PRIOR FILING DATE: 1998-09-24
PRIOR APPLICATION NUMBER: 08/941,223
PRIOR FILING DATE: 1997-09-26
NUMBER OF SEQ ID NOS: 33

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OM protein - protein search, using sw model

Run on: August 28, 2004, 09:53:30 ; Search time 103 Seconds
(without alignments)
106.259 Million cell updates/sec

Title: US-09-902-705-2
Perfect score: 1116
Sequence: 1 MATRSPGVIMDDWFGYDLN.....LDYNEYFRDLNHCIVINEHG 212

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/2/iaa/5A.COMB.pcp.*
2: /cgn2_6/ptodata/2/iaa/5B.COMB.pcp.*
3: /cgn2_6/ptodata/2/iaa/6A.COMB.pcp.*
4: /cgn2_6/ptodata/2/iaa/6B.COMB.pcp.*
5: /cgn2_6/ptodata/2/iaa/PCTUS.COMB.pcp.*
6: /cgn2_6/ptodata/2/iaa/backfiles.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1116	100.0	212	4	US-09-189-833B-2
2	1059	95.8	225	4	US-09-786-240-4
3	786	70.4	218	4	US-09-189-833B-8
4	779	69.8	218	4	US-09-189-833B-7
5	772	69.2	218	1	US-08-644-664B-14
6	772	69.2	218	2	US-08-761-277A-14
7	446.5	40.0	231	4	US-09-189-833B-9
8	263.5	23.6	200	4	US-09-107-532A-4646
9	238.5	21.4	181	4	US-09-134-001C-3318
10	222.5	19.9	210	4	US-09-189-833B-10
11	210	18.8	185	4	US-09-540-236-2305
12	202.5	18.1	184	4	US-09-489-033A-12490
13	194	17.4	181	4	US-09-543-681A-5968
14	190	17.0	178	4	US-09-328-352-4965
15	157	14.1	214	4	US-09-252-991A-30612
16	125.5	11.2	182	4	US-09-134-000C-6084
17	119	10.7	179	4	US-09-107-532A-5030
18	96	8.6	182	4	US-08-920-803A-2
19	96	8.6	182	4	US-08-920-803A-4
20	89	8.0	187	4	US-09-134-001C-4780
21	88.5	7.9	1028	4	US-09-328-352-5749
22	87	7.8	494	3	US-08-993-260-3
23	87	7.8	892	1	US-07-977-434-12
24	87	7.8	892	1	US-08-458-819-12
25	87	7.8	892	5	PCT-US91-07035-12
26	85.5	7.7	887	4	US-09-540-236-2911
27	84.5	7.6	207	4	US-09-252-991A-17055

28	84.5	7.6	272	4	US-09-107-532A-5898	Sequence 5898, Ap
29	82	7.3	834	4	US-09-252-991A-31321	Sequence 31321, A
30	78.5	7.0	203	4	US-09-134-001C-4797	Sequence 4797, Ap
31	78.5	7.0	415	4	US-09-134-001C-5077	Sequence 5077, Ap
32	78.5	7.0	419	4	US-09-328-352-6451	Sequence 6451, Ap
33	78	7.0	1038	3	US-09-541-782-4	Sequence 4, Appli
34	78	7.0	1038	4	US-09-723-820-4	Sequence 4, Appli
35	78	7.0	1038	4	US-10-270-085-4	Sequence 4, Appli
36	77	6.9	503	4	US-09-252-991A-32777	Sequence 32777, A
37	77	6.9	1169	1	US-08-315-468-4	Sequence 4, Appli
38	76.5	6.9	219	4	US-09-540-236-2247	Sequence 2247, Ap
39	76.5	6.9	316	4	US-09-543-681A-7414	Sequence 7414, Ap
40	75.5	6.8	1218	4	US-09-589-567-2	Sequence 2, Appli
41	75	6.7	253	4	US-09-489-039A-10712	Sequence 10712, A
42	75	6.7	641	4	US-09-724-623-76	Sequence 76, Appl
43	74.5	6.7	181	4	US-09-540-236-2596	Sequence 2596, Ap
44	74.5	6.7	285	3	US-09-327-681-6	Sequence 6, Appli
45	74.5	6.7	1454	4	US-09-328-352-5793	Sequence 5793, Ap

ALIGNMENTS

RESULT 1
US-09-189-833B-2
; Sequence 2, Application US/09189833B
; Patent No. 6653446
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-189-833B-2

Query Match	100.0%;	Score	1116;	DB	4;	Length	212;	
Best Local Similarity	100.0%;	Pred. No.	5.2e-125;					
Matches 212;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	MATRSPGVIMDDWPGYDLNLF	TPQHYGDLVYLPHGII	VDRIERLAKD	IMKDIGS	60		
DB	1	MATRSPGVIMDDWPGYDLNLF	TPQHYGDLVYLPHGII	VDRIERLAKD	IMKDIGS	60		
QY	61	DIMVLCLVKGKGF	CAIDLVEHLKNI	SRNSRDFVSKMVD	FIRLKS	YRNDQSMGEMQI	IGGG	120
DB	61	DIMVLCLVKGKGF	CAIDLVEHLKNI	SRNSRDFVSKMVD	FIRLKS	YRNDQSMGEMQI	IGGG	120
QY	121	DUSTLAGKNFLIVEDVVG	TGRTMKALLS	NIKYPNMI	KVASLLV	KRTSRSDG	FRPDYAG	180
DB	121	DUSTLAGKNFLIVEDVVG	TGRTMKALLS	NIKYPNMI	KVASLLV	KRTSRSDG	FRPDYAG	180
QY	181	FEIPLFVVG	YALDYNE	YFRDLN	HCIVINEHG	212		
DB	181	FEIPLFVVG	YALDYNE	YFRDLN	HCIVINEHG	212		

RESULT 2
US-09-786-240-4
; Sequence 4, Application US/09786240
; Patent No. 6558935
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: TANG, Y. Tom

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/644,664B
FILING DATE: 01-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ingolia, Diane E.
REGISTRATION NUMBER: 40,027
REFERENCE/DOCKET NUMBER: GENITOPE-00912
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-644-664B-14

Query Match 69.2%; Score 772; DB 1; Length 218;
Best Local Similarity 67.9%; Pred. No. 6.7e-84;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;
QY 1 MATRSPGVIMDDWPGYDLNLFYTPQHYGYDLEVYLIPHGIIIVDRIERLAKDINKDYGYS 60
Db 1 MPTRSFVVISDEPGYDLNLFYTPQHYGYDLEVYLIPHGIIIVDRIERLAKDINKDYGYS 60
QY 61 DIMVLCVLKGGYKFCADLVEHLKNISSDRFVSMKYDFIRLKSRYNDQSGEMQIIGGG 120
Db 61 HIVALCVLKGKGYKFFADLLDYIKALNRNSDRSIPMTVDYFIRLKSRYNDQSGEMQIIGGG 120
QY 121 DLSTLAKGNFLIVDVGTGRMTKALLSNIETKYPNNMIKVASLLVKTSSDGRPDYAG 180
Db 121 DLSTLTGKNVLIVEDIIDTGTMTQTLTLVQKSPKMKVAVASLLVKTSSDGRPDYAG 180
QY 181 FEIPLFVVGVALDYNEFRDLNHCIVNEHG 212
Db 181 FEIPDKFVVGVALDYNEFRNLNHCIVSETG 212

RESULT 6

US-08-761-277A-14
Sequence 14, Application US/08761277A
Patent No. 5972334
GENERAL INFORMATION:
APPLICANT: Denney Jr., Dan W.
TITLE OF INVENTION: Vaccines For Treatment Of Lymphoma And
TITLE OF INVENTION: Leukemia
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Medien & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States Of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/761,277A
FILING DATE: 06-DEC-1996
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/644,664
FILING DATE: 01-MAY-1996

ATTORNEY/AGENT INFORMATION:
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: GENITOPE-02406
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 705-8410
TELEFAX: (415) 397-8338
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 218 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-761-277A-14

Query Match 69.2%; Score 772; DB 2; Length 218;
Best Local Similarity 67.9%; Pred. No. 6.7e-84;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;
QY 1 MATRSPGVIMDDWPGYDLNLFYTPQHYGYDLEVYLIPHGIIIVDRIERLAKDINKDYGYS 60
Db 1 MPTRSFVVISDEPGYDLNLFYTPQHYGYDLEVYLIPHGIIIVDRIERLAKDINKDYGYS 60
QY 61 DIMVLCVLKGGYKFCADLVEHLKNISSDRFVSMKYDFIRLKSRYNDQSGEMQIIGGG 120
Db 61 HIVALCVLKGKGYKFFADLLDYIKALNRNSDRSIPMTVDYFIRLKSRYNDQSGEMQIIGGG 120
QY 121 DLSTLAKGNFLIVDVGTGRMTKALLSNIETKYPNNMIKVASLLVKTSSDGRPDYAG 180
Db 121 DLSTLTGKNVLIVEDIIDTGTMTQTLTLVQKSPKMKVAVASLLVKTSSDGRPDYAG 180
QY 181 FEIPLFVVGVALDYNEFRDLNHCIVNEHG 212
Db 181 FEIPDKFVVGVALDYNEFRNLNHCIVSETG 212

RESULT 7

US-09-189-833B-9
Sequence 9, Application US/09189833B
Patent No. 6653446
GENERAL INFORMATION:
APPLICANT: Bednarik et al.
TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
FILE REFERENCE: PFI38PDI1
CURRENT APPLICATION NUMBER: US/09/189,833B
CURRENT FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: US 08/461,031
PRIOR FILING DATE: 1995-06-05
PRIOR APPLICATION NUMBER: PCT/US94/11914
PRIOR FILING DATE: 1994-10-19
NUMBER OF SEQ ID NOS: 11
SOFTWARE: PatentIn version 3.0
SEQ ID NO 9
LENGTH: 231
TYPE: PRT
ORGANISM: Plasmodium falciparum
US-09-189-833B-9
Query Match 40.0%; Score 446.5; DB 4; Length 231;
Best Local Similarity 42.7%; Pred. No. 5.6e-45;
Matches 93; Conservative 41; Mismatches 73; Indels 11; Gaps 3;
QY 5 SPGV-----VIMDDWPGYDLNLFYTPQHYGYDLEVYLIPHGIIIVDRIERLAKDINKDI 57
Db 6 NFGAGENAFDPVFKVDDGDDYDLDSFNIHAYKKYLTQVLVNGVVKRIEKLAYDIKKVY 65
QY 58 GYSDIMVLCVLKGGYKFCADLVEHLKNISSDRFVSMKYDFIRLKSRYNDQSGEM 114
Db 66 NNEEFHILCLLKGSRGFFETALLKHLRIHNYSAVEMSKPLFGEHYVRYKSYCNDQSTGTL 125
QY 115 QIIGGGDLSTLAKGNFLIVDVGTGRMTKALLSNIETKYPNNMIKVASLLVKTSSDGR 174
Db 126 EIV-SEDUSCLKGRKHLVIEDIIDTGTTLVKEFVLCVLAFFETVAIACLFIKRIPLWNGF 184

QY 175 RPDYAGREIPLHFLVGVYALDYNEFRDLNHLICVINEHG 212
Db 185 KADFVGFSPDHFVGVYSLDYNEIFRDLDRHCLLWDEG 222

RESULT 8

US-09-107-532A-4646
; Sequence 4646, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS: 7310
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Derek
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 4646:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 200 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium

FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (B) LOCATION 1...200
; SEQUENCE DESCRIPTION: SEQ ID NO: 4646:
US-09-107-532A-4646

Query Match 23.6%; Score 263.5; DB 4; Length 200;
Best Local Similarity 38.1%; Pred. No. 3.2e-23;
Matches 69; Conservative 39; Mismatches 58; Indels 15; Gaps 7;

QY 31 DLEYVLPHGIIIVDRIERIAKDIMKDIGYSDIMVLCVKGKFCADLVHKLKNTSRNSD 90

Db 24 DIERILLISQEIQVRCKELGKELTEIYQNTNPLVGVKGVFFVADIV-----RSID 76

QY 91 RFVSMKVDPTRLKSYRN-DOSMGEMQIIGGDLST-LAGNKLIVEDVVGGRWKALLS 148

Db 77 TY--LELDFMDVSSYGNATVSSGEVKIV--KOLDTNVGRDLLIVEDIIDSGRT-RAYLV 131

QY 149 NIEKY-KPNMKIVASLLVKTSSDGRPDYAGFEIPLHFLVGVYALDYNEFRDLNHLICV 207

Db 132 DLKFKYKAKSVKIVTLLDKREGVNVNIEADYGVFNVPNEFVGVYGLDYAEAYRNLPYIGV 191

QY 208 I 208
Db 192 L 192

RESULT 9

US-09-134-001C-3318
; Sequence 3318, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 3318
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3318

Query Match 21.4%; Score 238.5; DB 4; Length 181;
Best Local Similarity 33.5%; Pred. No. 2.7e-20;
Matches 62; Conservative 38; Mismatches 56; Indels 29; Gaps 7;

QY 31 DLEYVLPHGIIIVDRIERIAKDIMKDIG-----YSDIMVLCV--LKGGYKFCADLVHKL 82

Db 6 DLKKNVLLS-----EEDIQNICKEGAIITDYKDRPLVCVGLKGSVMFMADLIKRI 57

QY 83 KNISRNSDRFVSMKVDFRLKSYR-NDQSMGEMQIIGGDL-STLAGNKLIVEDVVG 140

Db 58 D-----THLSIDFMDVSSYHGTESTGEVQIL--KDLGASIKNVKDVIIIEDLETG 106

QY 141 RTWKALLSNIERYKPNMKIVASLLVKTSSDGRPDYAGFEIPLHFLVGVYALDYNEFYR 200

Db 107 TILKSITELLQSRKNSLEIATLLDKPNRRKADIEAKYVGKKIPDEFVGVYGLDYRELYR 166

QY 201 DLNHI 205

Db 167 NLFYI 171

RESULT 10

US-09-189-833B-10
; Sequence 10, Application US/09189833B
; Patent No. 6653446
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.

; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 10
; LENGTH: 210
; TYPE: PRT
; ORGANISM: Trypanosoma brucei
US-09-189-833B-10

Query Match 19.9%; Score 222.5; DB 4; Length 210;
Best Local Similarity 29.3%; Pred. No. 2.8e-18;
Matches 54; Conservative 46; Mismatches 65; Indels 19; Gaps 5;

```

Query Match      18.1%; Score 202.5; DB 4; Length 184;
Best Local Similarity 30.5%; Pred. No. 5.5e-16;
Matches 53; Conservative 38; Mismatches 70; Indels 13; Gaps 4;

QY      35 VLPHGIIVDRIERLAKDIMKDI--GYSDIMVLCLVKGKGFCDLVEHLKNISRNSDRF 92
Db      13 VMIPSEIKARIAELGROINEHYQNSGSEMYLVGLLRGSFMFADLCREVO----- 63

QY      93 VSMKYDFRLKSKYRNDQS-MGEMQIIIGGDLSTLAGKQFLIVEDVVGTRTKALLSNIE 151
Db      64 VPHEVDFMTASSYSGSGMTTRDVKILKOLD-EDIRGKDVLIEDIIDSGNTLSKVRILS 122

QY      152 KYKENWIKVASILVVKTRSDCFRDPYAGFBIHLFVVGYALDYNEYERDLNHI 205
Db      123 LREPKSLAICILLDKPSREVNVPVEYVGFPAIDPEFVVGYGIDYAQRYRHLPIYI 176

RESULT 13
US-09-543-681A-5968
; Sequence 5968 Application US/09543681A
; Patent No. 6605709
; GENERAL INFORMATION:
; APPLICANT: GARY BRETON
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.1002-001
; CURRENT APPLICATION NUMBER: US/09/543,681A
; CURRENT FILING DATE: 2000-04-05
; PRIOR APPLICATION NUMBER: US 60/128,706
; PRIOR FILING DATE: 1999-04-09
; NUMBER OF SEQ ID NOS: 8344
; SEQ ID NO 5968
; LENGTH: 181
; TYPE: PRT
; ORGANISM: Proteus mirabilis
US-09-543-681A-5968

Query Match      17.4%; Score 194; DB 4; Length 181;
Best Local Similarity 28.8%; Pred. No. 5.5e-15;
Matches 53; Conservative 41; Mismatches 72; Indels 18; Gaps 5;

QY      35 VLPHGIIVDRIERLAKDIMKDI----GYSDIMVLCLVKGKGFCDLVEHLKNISRNSD 90
Db      8 VMISEEIKQRIAEELGREITEHYRQRQEKHDLVLGLLKGSEFIMADLCREIE----- 60

QY      91 RFVSNKVDPIRLKSRNDQ-SMGEQIIIGGDLSTLAGKNFLIVEDVVGTRTKALLSN 149
Db      61 --VPHEVDPMVTSSYSGNGWTSTEDVKIILKOLD-EDIRGKDVLIEDIIDSGNTLRVKEI 117

QY      150 IEKYPNMIKVASILVVKTRSDCFRDPYAGFBIHLFVVGYALDYNEYERDL---NHIC 206
Db      118 LSLREPASIAICTLLDKPSRREVDVPEWIGVSIEDKFVIGYIDYAQRYRHLPIYGHVT 177

QY      207 VINE 210
Db      178 LLDE 181

RESULT 14
US-09-328-352-4965
; Sequence 4965 Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 6252
; SEQ ID NO 4965
; LENGTH: 178
; TYPE: PRT

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; ORGANISM: Acinetobacter baumannii
US-09-328-352-4965

Query Match 17.0%; Score 190; DB 4; Length 178;

Best Local Similarity 26.0%; Pred. No. 1.6e-14;

Matches	50;	Conservative	44;	Mismatches	60;	Indels	38;	Gaps	6;
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Qy 35 VLIPHGIIVDRIERLAKDIMKDIGYSD--IMVLCVLKGGYKFCADLVEHLKNISRNSDRF 92

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RESULT 15

US-09-252-991A-30612

US 03 232 351A 30612
; Sequence 30612, Application US/09252991A

; Patent No. 6551795

GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 107196.136

1000 00 10
CURRENT FILING DATE: 1000 00 10
CURRENT APPLICATION NUMBER: US/09/252,991A

; CURRENT FILING DATE: 1999-02-18
 ; PRIORITY APPLICATION NUMBER: US 60/

;; PRIOR APPLICATION NUMBER: US 60/074,788
: PRIOR FILING DATE: 1999-02-19

;
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 6

; PRIOR APPLICATION NUMBER: US 60/094,190
 : PRIOR FILING DATE: 1998-07-27

; PRIOR FILING DATE: 1998-07-27
 ; NUMBER OF SEQ ID NOS: 33142

; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 30612

; LENGTH: 214

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; TYPE: PRT

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ORGANISM:

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Best Local Similarity 26.2%; Pred. No. 1.9e-10;

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Search completed: August 28, 2004, 14:51:36

Job time : 105 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 28, 2004, 14:38:07 ; Search time 438 seconds
(without alignments)
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Perfect score: 1116
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Gapop 10.0 , Gapext 0.5

Searched: 1297172 seqs, 314612898 residues

Total number of hits satisfying chosen parameters: 1297172

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

RESULT 1
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; Sequence 2, Application US/09189833B
; Patent No. US20020065393A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PID1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 212
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-189-833B-2

Query Match	100.0%;	Score 1116;	DB 9;	Length 212;
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Qy	1	MATRSPGVVIMDDWPGYDLNLFYTPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGYS	60	
Db	1	MATRSPGVVIMDDWPGYDLNLFYTPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGYS	60	
Qy	61	DMVLVLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FIKLSYRNDQSGEMQITGGG	120	
Db	61	DMVLVLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FIKLSYRNDQSGEMQITGGG	120	
Qy	121	DLSTLAGKFLNIVDVVGTRTKALLSNIEKYKPNMKVASLLVKTSDGFRPDYAG	180	
Db	121	DLSTLAGKFLNIVDVVGTRTKALLSNIEKYKPNMKVASLLVKTSDGFRPDYAG	180	

QY 181 FEIPLFVGVGALDYNEFRDLNHCIVINEHG 212
Db 181 FEIPLFVGVGALDYNEFRDLNHCIVINEHG 212

RESULT 2

US-09-902-705-2

; Sequence 2, Application US/09902705

; Patent No. US20020081695A1

; GENERAL INFORMATION:

; APPLICANT: Bednarik et al.

; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2

; FILE REFERENCE: PF138P1C1

; CURRENT APPLICATION NUMBER: US/09/902,705

; CURRENT FILING DATE: 2001-07-12

; PRIOR APPLICATION NUMBER: US 08/461,031

; PRIOR FILING DATE: 1995-06-05

; PRIOR APPLICATION NUMBER: PCT/US94/11914

; PRIOR FILING DATE: 1994-10-19

; NUMBER OF SEQ ID NOS: 11

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 2

; LENGTH: 212

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-902-705-2

Query Match 100.0%; Score 1116; DB 9; Length 212;

Best Local Similarity 100.0%; Pred. No. 1.8e-115;

Matches 212; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDNLNFTYPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGYS 60

Db 1 MATRSPGVIMDDWPGYDNLNFTYPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGYS 60

QY 61 DIMVLCVLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FRLKSYRNDQSGEMQIIIGGG 120

Db 61 DIMVLCVLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FRLKSYRNDQSGEMQIIIGGG 120

QY 121 DLSTLAGNFLIVDVGTGRTMKALLSNI EKYKPNMIKVASLLVKRTSRSDGFRPDYAG 180

Db 121 DLSTLAGNFLIVDVGTGRTMKALLSNI EKYKPNMIKVASLLVKRTSRSDGFRPDYAG 180

QY 181 FEIPLFVGVGALDYNEFRDLNHCIVINEHG 212

Db 181 FEIPLFVGVGALDYNEFRDLNHCIVINEHG 212

RESULT 3

US-10-427-631-4

; Sequence 4, Application US/10427631

; Publication No. US20030175923A1

; GENERAL INFORMATION:

; APPLICANT: INCYTE CORPORATION; TANG, Y. Tom;

; APPLICANT: CORLEY, Neil C.; GUEGLER, Karl J.;

; APPLICANT: BAUGHN, Mariah R.; LAL, Preeti G.;

; APPLICANT: YUE, Henry; HILLMAN, Jennifer L.;

; APPLICANT: AZIMZAI, Yalda

; TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS

; FILE REFERENCE: PF-0592-1 DIV

; CURRENT APPLICATION NUMBER: US/10/427,631

; CURRENT FILING DATE: 2003-04-29

; PRIOR APPLICATION NUMBER: US 09/786,240

; PRIOR FILING DATE: 2002-03-12

; PRIOR APPLICATION NUMBER: PCT/US99/20989

; PRIOR FILING DATE: 1999-09-03

; PRIOR APPLICATION NUMBER: US 60/172,220

; PRIOR FILING DATE: 1998-09-10

; PRIOR APPLICATION NUMBER: US 60/155,248

; PRIOR FILING DATE: 1998-11-04

; PRIOR APPLICATION NUMBER: US 60/133,642

; PRIOR FILING DATE: 1999-05-11

; NUMBER OF SEQ ID NOS: 33

; SOFTWARE: PERL Program
; SEQ ID NO 4
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030175923A1 1404963CD1
US-10-427-631-4

Query Match 95.8%; Score 1069; DB 14; Length 225;

Best Local Similarity 98.5%; Pred. No. 3.3e-110;

Matches 203; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 7 GVVIMDDWPGYDNLNFTYPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGSDIMVLC 66

Db 14 GVVIMDDWPGYDNLNFTYPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGSDIMVLC 73

QY 67 VLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FRLKSYRNDQSGEMQIIIGGDLSTLA 126

Db 74 VLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FRLKSYRNDQSGEMQIIIGGDLSTLA 133

QY 127 GKNFLIVDVGTGRTMKALLSNI EKYKPNMIKVASLLVKRTSRSDGFRPDYAGFEIPLH 186

Db 134 GKNFLIVDVGTGRTMKALLSNI EKYKPNMIKVASLLVKRTSRSDGFRPDYAGFEIPLH 193

QY 187 FVGVGALDYNEFRDLNHCIVINEHG 212

Db 194 FVGVGALDYNEFRDLNHCIVINEHG 219

RESULT 4

US-10-264-049-2599

; Sequence 2599, Application US/10264049

; Publication No. US20040005579A1

; GENERAL INFORMATION:

; APPLICANT: Birse et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PA133P1

; CURRENT APPLICATION NUMBER: US/10/264,049

; CURRENT FILING DATE: 2002-10-04

; PRIOR APPLICATION NUMBER: PCT/US01/18569

; PRIOR FILING DATE: 2001-06-07

; PRIOR APPLICATION NUMBER: US 60/209,467

; PRIOR FILING DATE: 2000-06-07

; NUMBER OF SEQ ID NOS: 4360

; SOFTWARE: PatentIn Ver. 3.1

; SEQ ID NO 2599

; LENGTH: 230

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-264-049-2599

Query Match 95.4%; Score 1065; DB 15; Length 230;

Best Local Similarity 98.5%; Pred. No. 9.6e-110;

Matches 203; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 7 GVVIMDDWPGYDNLNFTYPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGSDIMVLC 66

Db 19 GVVIMDDWPGYDNLNFTYPQHYGDLVYLIPHGIIVDRIERLAKDIMKDIGSDIMVLC 78

QY 67 VLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FRLKSYRNDQSGEMQIIIGGDLSTLA 126

Db 79 VLKGGYKFCADLVEHLKNI SRNSDRFVSMKVD FRLKSYRNDQSGEMQIIIGGDLSTLA 138

QY 127 GKNFLIVDVGTGRTMKALLSNI EKYKPNMIKVASLLVKRTSRSDGFRPDYAGFEIPLH 186

Db 139 GKNFLIVDVGTGRTMKALLSNI EKYKPNMIKVASLLVKRTSRSDGFRPDYAGFEIPLH 198

QY 187 FVGVGALDYNEFRDLNHCIVINEHG 212

Db 199 FVGVGALDYNEFRDLNHCIVINEHG 224

QY	61	DIMVLCLVKGKGYFCADLVEHLKNISRNSDFVSMKVYDFIRLKSYRNDQSNGEMQIIGGG	120
Db	61	HIVALCVLKGKGYFPADLDLYIKALNRNDSRSIPMTVDVFIRLKSYCNDQSTGDIKVIIGD	120
QY	121	DLSLTLAGKNFLIVEDVGCTGRMKALLSNIKEYKPNNIKVASLLLVKRTSRSDGFPRPDYAG	180
Db	121	DUSTTUGKNVLIVEDIIDTGKTMTQLLSLVKKRYPNQWVKASLLLVKRTSRVSGYRPDPFVG	180
QY	181	FRIPHLFVVGVYALDYNEYFRDLNHICVINEHG	212
Db	181	FRIPOKFVVGVYALDYNEYFRDLNHICVISETG	212
RESULT 7			
US-09-189-833B-7			
; Sequence 7, Application US/09189833B			
; Patent No. US2002006539A1			
; GENERAL INFORMATION:			
; APPLICANT: Bednarik et al.			
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2			
; FILE REFERENCE: PF138P1D1			
; CURRENT APPLICATION NUMBER: US/09/189,833B			
; CURRENT FILING DATE: 1998-11-12			
; PRIOR APPLICATION NUMBER: US 08/461,031			
; PRIOR FILING DATE: 1995-06-05			
; PRIOR APPLICATION NUMBER: PCT/US94/11914			
; PRIOR FILING DATE: 1994-10-19			
; NUMBER OF SEQ ID NOS: 11			
; SOFTWARE: PatenIn version 3.0			
; SEQ ID NO 7			
; LENGTH: 218			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-09-189-833B-7			
Query Match 69.8%; Score 779; DB 9; Length 218;			
Best Local Similarity 68.4%; Pred.No.5.4e-78;			
Matches 145; Conservative 31; Mismatches 36; Indels 0; Gaps 0;			
QY	1	MATRSPGVVIMDDWFGYDLNFTYPQHYYGLVYLIPHGIIVDRIBRLAKDIMKDIGYS	60
Db	1	MATRSPGVVISDDEPGYDLDFCIPHNHYAEDLERVFIPHGLIMDTERLARADVNMKGHH	60
QY	61	DIMVLCLVKGKGYFCADLVEHLKNISRNSDFVSMKVYDFIRLKSYRNDQSNGEMQIIGGG	120
Db	61	HIVALCVLKGKGYFPADLDLYIKALNRNDSRSIPMTVDVFIRLKSYCNDQSTGDIKVIIGD	120
QY	121	DLSLTLAGKNFLIVEDVGCTGRMKALLSNIKEYKPNNIKVASLLLVKRTSRSDGFPRPDYAG	180
Db	121	DUSTTUGKNVLIVEDIIDTGKTMTQLLSLVKKRYPNQWVKASLLLVKRTSRVSGYRPDPFVG	180
QY	181	FRIPHLFVVGVYALDYNEYFRDLNHICVINEHG	212
Db	181	FRIPOKFVVGVYALDYNEYFRDLNHVCVISETG	212
RESULT 8			
US-09-902-705-7			
; Sequence 7, Application US/09902705			
; Patent No. US2002008169SA1			
; GENERAL INFORMATION:			
; APPLICANT: Bednarik et al.			
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2			
; FILE REFERENCE: PF138P1C1			
; CURRENT APPLICATION NUMBER: US/09/902,705			
; CURRENT FILING DATE: 2001-07-12			
; PRIOR APPLICATION NUMBER: US 08/461,031			
; PRIOR FILING DATE: 1995-06-05			
; PRIOR APPLICATION NUMBER: PCT/US94/11914			
; PRIOR FILING DATE: 1994-10-19			
; NUMBER OF SEQ ID NOS: 11			
; SOFTWARE: PatenIn version 3.1			

; SEQ ID NO 7
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-902-705-7

Query Match 69.8%; Score 779; DB 9; Length 218;
Best Local Similarity 68.4%; Pred. No. 5.4e-78;
Matches 145; Conservative 31; Mismatches 36; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
DB 1 MATRSPGVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60

QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
DB 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120

QY 121 DLSTLAGKNFLIIVDDVGTGRTMKALLSNIKYPNMKVASLLVKTSSDGFPRPDYAG 180
DB 121 DLSTLAGKNFLIIVDDVGTGRTMKALLSNIKYPNMKVASLLVKTSSDGFPRPDYAG 180

QY 181 FEIPHLFVVGVALDYNEFRDLNHCIVINEHG 212
DB 181 FEIPDKFVVGVALDYNEFRDLNHCIVINEHG 212

RESULT 9

US-10-408-765A-433
; Sequence 433, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.
; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 433
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-433

Query Match 69.8%; Score 779; DB 16; Length 218;
Best Local Similarity 68.4%; Pred. No. 5.4e-78;
Matches 145; Conservative 31; Mismatches 36; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
DB 1 MATRSPGVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60

QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
DB 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120

QY 121 DLSTLAGKNFLIIVDDVGTGRTMKALLSNIKYPNMKVASLLVKTSSDGFPRPDYAG 180
DB 121 DLSTLAGKNFLIIVDDVGTGRTMKALLSNIKYPNMKVASLLVKTSSDGFPRPDYAG 180

QY 181 FEIPHLFVVGVALDYNEFRDLNHCIVINEHG 212
DB 181 FEIPDKFVVGVALDYNEFRDLNHCIVINEHG 212

RESULT 10

US-09-925-664-14
; Sequence 14, Application US/09925664
; Patent No. US2002016006A1
; GENERAL INFORMATION:
; APPLICANT: Denney, Jr., Dan W.
; TITLE OF INVENTION: Methods of Treating Lymphoma and Leukemia
; FILE REFERENCE: GENITOPE-06499
; CURRENT APPLICATION NUMBER: US/09/925,664
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 09/370,453
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: 08/644,664
; PRIOR FILING DATE: 1996-05-01
; PRIOR APPLICATION NUMBER: 08/761,277
; PRIOR FILING DATE: 1996-12-06
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 14
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-925-664-14

Query Match 69.2%; Score 772; DB 9; Length 218;
Best Local Similarity 67.9%; Pred. No. 3.2e-77;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
DB 1 MPTSPSVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60

QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
DB 61 HIVALCVLKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120

QY 121 DLSTLAGKNFLIIVDDVGTGRTMKALLSNIKYPNMKVASLLVKTSSDGFPRPDYAG 180
DB 121 DLSTLAGKNFLIIVDDVGTGRTMKALLSNIKYPNMKVASLLVKTSSDGFPRPDYAG 180

QY 181 FEIPHLFVVGVALDYNEFRDLNHCIVINEHG 212
DB 181 FEIPDKFVVGVALDYNEFRDLNHCIVINEHG 212

RESULT 11

US-09-925-192-14
; Sequence 14, Application US/09925192
; Publication No. US20040096452A1
; GENERAL INFORMATION:
; APPLICANT: Denney, Jr., Dan W.
; TITLE OF INVENTION: Vaccines for Treatment of Lymphoma and Leukemia
; FILE REFERENCE: GENITOPE-06493
; CURRENT APPLICATION NUMBER: US/09/925,192
; CURRENT FILING DATE: 2001-08-09
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-925-192-14

Query Match 69.2%; Score 772; DB 12; Length 218;
Best Local Similarity 67.9%; Pred. No. 3.2e-77;
Matches 144; Conservative 32; Mismatches 36; Indels 0; Gaps 0;

QY 1 MATRSPGVIMDDWPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60
DB 1 MPTSPSVVISDDPGYDLNLFYPOHYGDLVLPHPGIIIVDRTERLAKIMKDIGYS 60

QY 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120
DB 61 DIMVLCKGKGYKFCADLVEHLKNIISNSDRFVSMKVDYFIRLKSYNDSMGEMQIIGG 120


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; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 19356
; LENGTH: 165
; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-10-369-493-19356

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Query Match      23.8%; Score 265.5; DB 15; Length 165;
Best Local Similarity 36.4%; Pred. No. 4.2e-21;
Matches 64; Conservative 36; Mismatches 63; Indels 13; Gaps 4;

QY 35 VLIPHGIIVDRIELAKDIMKDIGYSDIMVLCVLKGGYKFCADLVEHLKNIERNSDRFVS 94
Db 1 VLISEDKLQARVRELAEEITRDYAGKDLTLICVLKGSAPFAIDLAKYID-----LP 51

QY 95 MKVDFIRLKSYR-NDQSMGEMQIIGGGDLS-TLAGKNFLIVEDVVGTEGRTMKALLSNIEK 152
Db 52 VKLEFLGVSSYQGGTESTGEVRIT--TDVSKPMAGKRLHIIEDIIDTGLTMOFLLENRA 109

QY 153 YKPNMKVASLLVKRTSRSDGFRPDYAGFEIPLFVVGVYALDYNEYFRDLNHCVI 208
Db 110 RHPASLKVCTLLERPSARTKVDIDYKGFVIDDLFVVGVGLDFGEVYRNIPFIGVM 165

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Search completed: August 28, 2004, 15:25:17
Job time : 440 secs

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OM nucleic - nucleic search, using sw model

Run on: August 28, 2004, 09:17:02 ; Search time 692 Seconds
(without alignments)
9857.076 Million cell updates/sec

Title: US-09-902-705-1

Perfect score: 1386

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Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 6474540

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
- 5: /cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*
- 6: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
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- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1386	100.0	1386	9	US-09-189-833B-1
2	1386	100.0	1386	9	US-09-902-705-1
3	657	47.4	1965	16	US-10-264-049-424
4	654.6	47.2	1927	15	US-10-427-631-19
5	611.8	44.1	806	9	US-09-822-830A-13
6	334.2	24.1	2244	9	US-09-764-870-222
7	334.2	24.1	2244	15	US-10-125-540-222
8	323	23.3	4385	15	US-10-050-704-77
9	323	23.3	4385	16	US-10-266-829-48
10	323	23.3	4385	17	US-10-798-512-77
11	323	23.3	4386	15	US-10-050-704-23
12	323	23.3	4386	15	US-10-050-704-78
13	323	23.3	4386	16	US-10-266-829-78
14	323	23.3	4386	16	US-10-266-829-49

Sequence 23, Appl
Sequence 78, Appl
Sequence 182, App
Sequence 494, App
Sequence 182, App
Sequence 273, App
Sequence 165, App
Sequence 350, App
Sequence 1231, App
Sequence 232, App
Sequence 1853, App
Sequence 482, App
Sequence 151, App
Sequence 1995, App
Sequence 1155, App
Sequence 23, Appl
Sequence 68, Appl
Sequence 58, Appl
Sequence 184, App
Sequence 108, App
Sequence 45, Appl
Sequence 45, Appl
Sequence 45, Appl
Sequence 12, Appl
Sequence 870, App
Sequence 2, Appl
Sequence 22, Appl
Sequence 1298, App
Sequence 283, App
Sequence 308, App

ALIGNMENTS

RESULT 1

US-09-189-833B-1
; Sequence 1, Application US/09189833B
; Patent No. US20020065393A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine-(Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PFI38PDI1
; CURRENT APPLICATION NUMBER: US/09/189,833B
; CURRENT FILING DATE: 1998-11-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (626)..(1264)
US-09-189-833B-1

Query Match 100.0%; Score 1386; DB 9; Length 1386;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GATTTTGTGATATCTTCTCGGGGGGGGGGAACTATTGTATAACGCCAACAC 60
DB 1 GATTTTGTGATATCTTCTCGGGGGGGGGGAACTATTGTATAACGCCAACAC 60
QY 61 CGGCCCTTTTGGGTACTCGCCATTTTACTGGCCATTTTGGTAAATGTTCTTTC 120
DB 61 CGGCCCTTTTGGGTACTCGCCATTTTACTGGCCATTTTGGTAAATGTTCTTTC 120

QY 121 CCTCGGTTAATCCCCCTGATTCTTGTGGGATAAACCGGTATTTCCCGCCCTTAGAGTAAT 180
Db 121 CCTCGGTTAATCCCCCTGATTCTTGTGGGATAAACCGGTATTTCCCGCCCTTAGAGTAAT 180
QY 181 TTGAAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGAGGATTTCATGGAGCGAGGAA 240
Db 181 TTGAAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGAGGATTTCATGGAGCGAGGAA 240
QY 241 AGCGGGAAGAGCGCCCAATACCAAGCGGCTCTCGCGCGCGGTTGTGCGGATTCATTAA 300
Db 241 AGCGGGAAGAGCGCCCAATACCAAGCGGCTCTCGCGCGCGGTTGTGCGGATTCATTAA 300
QY 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTCAAGTGGAGCGCAACAATTAAT 360
Db 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTCAAGTGGAGCGCAACAATTAAT 360
QY 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
Db 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
QY 421 TTGTGTGGAATTTGAGCGGATAACAATTTCAACAGGAAACAGACTATGACCATATTAC 480
Db 421 TTGTGTGGAATTTGAGCGGATAACAATTTCAACAGGAAACAGACTATGACCATATTAC 480
QY 481 GTCCAAAGCTCGAAATTAACCCCTCACTAAAGGGAAACAAAACCTGGAGCTCCACCGCGTGG 540
Db 481 GTCCAAAGCTCGAAATTAACCCCTCACTAAAGGGAAACAAAACCTGGAGCTCCACCGCGTGG 540
QY 541 CGCGCGCTCTAGAACTAGTGATCCCGCGGCTCCAGGAATTCGCCACGACCGGAGGAC 600
Db 541 CGCGCGCTCTAGAACTAGTGATCCCGCGGCTCCAGGAATTCGCCACGACCGGAGGAC 600
QY 601 CGAGAGGCGCCAGACTACGGGCGAATGGCGACCCCGAGCTTGGCGTCTGATATGGA 660
Db 601 CGAGAGGCGCCAGACTACGGGCGAATGGCGACCCCGAGCTTGGCGTCTGATATGGA 660
QY 661 TGATTGCCAGGATGACTTGAATTTATTCAGTACCCAGCACTATATGGAGACTT 720
Db 661 TGATTGCCAGGATGACTTGAATTTATTCAGTACCCAGCACTATATGGAGACTT 720
QY 721 GGAGTATGCTCATCCCTCATGATATGATGAGCAAGATTGAGCGGCTCGGCAAGGA 780
Db 721 GGAGTATGCTCATCCCTCATGATATGATGAGCAAGATTGAGCGGCTCGGCAAGGA 780
QY 781 TATTATGAAGACATAGGATATAGTACATCATGTCCTGTCCTGTTAAAGGGGGTA 840
Db 781 TATTATGAAGACATAGGATATAGTACATCATGTCCTGTCCTGTTAAAGGGGGTA 840
QY 841 CAAATTTCTGTGATCTGTAGAACACCTTAAGACATCAGCGGAAATTCAGATCGGTT 900
Db 841 CAAATTTCTGTGATCTGTAGAACACCTTAAGACATCAGCGGAAATTCAGATCGGTT 900
QY 901 TGTCTCAATGAAGGTTGATTTCATCAGACTTAAAGGTTACAGGAATGACCACTCCATGG 960
Db 901 TGTCTCAATGAAGGTTGATTTCATCAGACTTAAAGGTTACAGGAATGACCACTCCATGG 960
QY 961 TGAGATCAGATTAATCGAGGCGGTGATCTTTCAACGCTGGCTGGAAGAATTTTCTCAT 1020
Db 961 TGAGATCAGATTAATCGAGGCGGTGATCTTTCAACGCTGGCTGGAAGAATTTTCTCAT 1020
QY 1021 TGTGAGGATGTTGTGCGAACTGGGAGGACCAATGAAGCACTACTCAGCAATATAGAGAA 1080
Db 1021 TGTGAGGATGTTGTGCGAACTGGGAGGACCAATGAAGCACTACTCAGCAATATAGAGAA 1080
QY 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGAAGAGAAATCCAGAAAGTGA 1140
Db 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGAAGAGAAATCCAGAAAGTGA 1140
QY 1141 CGGCTTTAGACCTGACTATGCTGATTCAGATTCACACTTATTTGTTGGGATATGC 1200
Db 1141 CGGCTTTAGACCTGACTATGCTGATTCAGATTCACACTTATTTGTTGGGATATGC 1200
QY 1201 CTTAGATTACAATGAATATTTACAGATCTGAATACATATCGGCTCATCAATGAGCAGG 1260

Db 1201 CTTAGATTACAATGAATATTTACAGATCTGAATACATATCGGCTCATCAATGAGCAGG 1260
QY 1261 GTAAAGGAAAAATATCGAGTCTTTAAAGACATGAATTTCTCACCACTAAAGGCCCAAGATAGG 1320
Db 1261 GTAAAGGAAAAATATCGAGTCTTTAAAGACATGAATTTCTCACCACTAAAGGCCCAAGATAGG 1320
QY 1321 ATCAATTTTACCGCTCTCTTGGGAGCCAGTTGCAAGTTGGGCCCCCGGATCTTCTATC 1380
Db 1321 ATCAATTTTACCGCTCTCTTGGGAGCCAGTTGCAAGTTGGGCCCCCGGATCTTCTATC 1380
QY 1381 AGGAGG 1386
Db 1381 AGGAGG 1386

RESULT 2
US-09-902-705-1
; Sequence 1, Application US/09902705
; Patent No. US20020081695A1
; GENERAL INFORMATION:
; APPLICANT: Bednarik et al.
; TITLE OF INVENTION: Human Hypoxanthine- (Guanine) Phosphoribosyl Transferase-2
; FILE REFERENCE: PF138P1C1
; CURRENT APPLICATION NUMBER: US/09/902,705
; CURRENT FILING DATE: 2001-07-12
; PRIOR APPLICATION NUMBER: US 08/461,031
; PRIOR FILING DATE: 1995-06-05
; PRIOR APPLICATION NUMBER: PCT/US94/11914
; PRIOR FILING DATE: 1994-10-19
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (626)..(1264)
; OTHER INFORMATION:
US-09-902-705-1

Query Match 100.0%; Score 1386; DB 9; Length 1386;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1386; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GATTTTTCGTGATATCTTCTTCGGGGGGGGGGAAACCTATTTGATATAAGCCCAACCAAC 60
Db 1 GATTTTTCGTGATATCTTCTTCGGGGGGGGGGAAACCTATTTGATATAAGCCCAACCAAC 60
QY 61 CGGCCCTTTTGGGTACTGGCCATTTTACTTGGCCCATTTTGGTAAATTTTCCCTTC 120
Db 61 CGGCCCTTTTGGGTACTGGCCATTTTACTTGGCCCATTTTGGTAAATTTTCCCTTC 120
QY 121 CTTGCGTTAATCCCTCATCTTCTTGGGATTAACCCGTATTTCCCGCTTAGAGTGAAT 180
Db 121 CTTGCGTTAATCCCTCATCTTCTTGGGATTAACCCGTATTTCCCGCTTAGAGTGAAT 180
QY 181 TTGAAAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGGATTCATGGAGCGAGGAA 240
Db 181 TTGAAAAACCCCTTTTCGCCCGGAAGGGGACCGACCGAGCCAGGATTCATGGAGCGAGGAA 240
QY 241 AGCGGGAAGAGCGCCCAATACCAAGCGGCTCTCGCGCGCGGTTGTGCGGATTCATTAA 300
Db 241 AGCGGGAAGAGCGCCCAATACCAAGCGGCTCTCGCGCGCGGTTGTGCGGATTCATTAA 300
QY 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTCAAGTGGAGCGCAACAATTAAT 360
Db 301 TACAGCTGCCACGACAGGTTTCCGACTGGAAAGCGGTCAAGTGGAGCGCAACAATTAAT 360
QY 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
Db 361 GTGAGTTAGCTCACTANTAGGCAACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420

QY 421 TTGTCGGAATTTGAGCGGATAAACAATTCACAGGAAACAGCTATGACCATGATTAC 480
Db 421 TTGTCGGAATTTGAGCGGATAAACAATTCACAGGAAACAGCTATGACCATGATTAC 480
QY 481 GTCCAGCTCGAAATTAACCCCTCACTAAAGGAAACAAAATCTGAGCTCCACCCCGGTGG 540
Db 481 GTCCAGCTCGAAATTAACCCCTCACTAAAGGAAACAAAATCTGAGCTCCACCCCGGTGG 540
QY 541 CGGCCCTTAGAATAGTAGGATCCCGGGTCCAGGAATTCGACAGCCGGAGGAC 600
Db 541 CGGCCCTTAGAATAGTAGGATCCCGGGTCCAGGAATTCGACAGCCGGAGGAC 600
QY 601 CGAGGAGCGCCAGACTACGGCGGAATCGGACCCGACCGCTGCGTCGATTATGGA 660
Db 601 CGAGGAGCGCCAGACTACGGCGGAATCGGACCCGACCGCTGCGTCGATTATGGA 660
QY 661 TGATTTGGCAGGGTATGACTTGAATTTATACGTACCCACAGCACTATTTATGAGACTT 720
Db 661 TGATTTGGCAGGGTATGACTTGAATTTATACGTACCCACAGCACTATTTATGAGACTT 720
QY 721 GGAGTAGTCCTCATCCCTCATGGTATCATTTGTGACAGAAATTCAGCGGCTGCAAGGA 780
Db 721 GGAGTAGTCCTCATCCCTCATGGTATCATTTGTGACAGAAATTCAGCGGCTGCAAGGA 780
QY 781 TATTATGAAGACATAGGATATAGTACATCATGCTCTGTGTCTTAAAGGGGGTA 840
Db 781 TATTATGAAGACATAGGATATAGTACATCATGCTCTGTGTCTTAAAGGGGGTA 840
QY 841 CAAATTTCTGTGCTGATCTGTAGACACCTTAAGAACATCAGCGAATTCAGATCGGTT 900
Db 841 CAAATTTCTGTGCTGATCTGTAGACACCTTAAGAACATCAGCGAATTCAGATCGGTT 900
QY 901 TGTCTCAATGAAGGTTGATTTTCATCAGACTAAAAAGTTACAGGATGACCACTCATGGG 960
Db 901 TGTCTCAATGAAGGTTGATTTTCATCAGACTAAAAAGTTACAGGATGACCACTCATGGG 960
QY 961 TGAGATGCGAGTAATCGAGCGGTGATCTTTCAACGCTGCGTGAAGAAATTTTCTCAT 1020
Db 961 TGAGATGCGAGTAATCGAGCGGTGATCTTTCAACGCTGCGTGAAGAAATTTTCTCAT 1020
QY 1021 TGTGAGGATGTTGTCGGAACCTGGAGGACCAATGAAGCACTACTCAGCAATATAGAGAA 1080
Db 1021 TGTGAGGATGTTGTCGGAACCTGGAGGACCAATGAAGCACTACTCAGCAATATAGAGAA 1080
QY 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTGTTGTTGTAAGAGAACATCCAGAAATGA 1140
Db 1081 ATACAGCCCAACATGATTAAGGTAGCCAGTTGTTGTTGTAAGAGAACATCCAGAAATGA 1140
QY 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTTGTGTTGGGATATGC 1200
Db 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTTGTGTTGGGATATGC 1200
QY 1201 CTTAGATTACAATGAATCTTCAGAGATCTGAATCACATATGCGTCAATGAGCACGG 1260
Db 1201 CTTAGATTACAATGAATCTTCAGAGATCTGAATCACATATGCGTCAATGAGCACGG 1260
QY 1261 GTAAAGGAAAATTCGAGTCTTAAGACATGAATTTCTCACCACTAAAGGCCCGCATAGG 1320
Db 1261 GTAAAGGAAAATTCGAGTCTTAAGACATGAATTTCTCACCACTAAAGGCCCGCATAGG 1320
QY 1321 ATCATTTTACGCTGCTTTGGGGAGCAAGTTGCAAGTTGGGCCCGCGGATCTTCATC 1380
Db 1321 ATCATTTTACGCTGCTTTGGGGAGCAAGTTGCAAGTTGGGCCCGCGGATCTTCATC 1380
QY 1381 AGGAGG 1386
Db 1381 AGGAGG 1386

RESULT 3
US-10-264-049-424
; Sequence 424, Application US/10264049

Publication No. US20040005579A1
GENERAL INFORMATION:
APPLICANT: Birse et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: P133P1
CURRENT APPLICATION NUMBER: US/10/264,049
CURRENT FILING DATE: 2002-10-04
PRIOR APPLICATION NUMBER: PCT/US01/18569
PRIOR FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: US 60/209,467
PRIOR FILING DATE: 2000-06-07
NUMBER OF SEQ ID NOS: 4360
SOFTWARE: PatentIn Ver. 3.1
SEQ ID NO 424
LENGTH: 1965
TYPE: DNA
ORGANISM: Homo sapiens
US-10-264-049-424
Query Match 47.4%; Score 657; DB 16; Length 1965;
Best Local Similarity 93.5%; Pred. No. 7,1e-198;
Matches 736; Conservative 0; Mismatches 30; Indels 21; Gaps 4;
QY 586 CAGGACCGGAGGACCGAGGAGGCGCCAGACTACGGCGGAATGCGGACCCCGCAGCCCTGG 645
Db 17 CATGCCCGGAGCAGCGAGGAGGCGCCAGACTACGGGCGA-----GG 58
QY 646 CGTCGTGATTATGGATGATTGGCCAGGCTATGACTTGAATTTATTCAGTACCCACAGCA 705
Db 59 CGTCGTGATTATGGATGATTGGCCAGGCTATGACTTGAATTTATTCAGTACCCACAGCA 118
QY 706 CTATATGAGACTTTGGAGTAGTCCTCATCCCTCATGTTATCATTTGTTGGAGCAAGATTGA 765
Db 119 CTATATGAGACTTTGGAGTAGTCCTCATCCCTCATGTTATCATTTGTTGGAGCAAGATTGA 178
QY 765 GCGGCTGCGCAAGGATATTATGAAGACATAGGATATAGTACATCATGTCCTGTTGT 825
Db 179 GCGGCTGCGCAAGGATATTATGAAGACATAGGATATAGTACATCATGTCCTGTTGT 238
QY 826 GCTTAAAGGGGGGTACAAATTTCTGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGCG 885
Db 239 GCTTAAAGGAGGTTACAAATTTCTGTGCTGATCTCGTAGAACACCTTAAAGAACATCAGCG 298
QY 886 AAATTCAGATCGTTTGTCTCAATGAAGTTGATTTCTATCAGACTAAAAAGTTACAGGAA 945
Db 299 AAATTCAGATCGATTTGTCTCAATGAAGTTGATTTCTATCAGACTAAAAAGTTACAGGAA 358
QY 946 TGACCACTCCATGGGTGAGATCGACATAATCGGAGCGGTGATCTTTCAACGCTGGCTGG 1005
Db 359 TGACCACTCCATGGGTGAGATCGACATAATCGGAGCGATGATCTTTCAACGCTGGCTGG 418
QY 1006 AAAGAATTTTCTCATTTGTTGAGGATTTGTGCGAACTGCGGAGGACCATGAAGCACTACT 1065
Db 419 AAAGAATGTTCTCATTTGTTGAGGATTTGTGCGAACTGCGGAGGACCATGAAGCACTACT 478
QY 1066 CAGCAATATAGAGAAATCAAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGAAGAG 1125
Db 479 CAGCAATATAGAGAAATCAAGCCCAACATGATTAAGGTAGCCAGTTTGTGTTGAAGAG 538
QY 1126 AACATCCAGAACTGACGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTATT 1185
Db 539 AACATCCAGAACTGACGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTATT 598
QY 1186 TGTGTTGGGATATGCTTAGATTACAATGAATCTTACAGATCTGATCAGATATCGGT 1245
Db 599 TGTGTTGGGATATGCTTAGATTACAATGAATCTTACAGATCTGATCAGATATCGGT 658
QY 1246 CATCAATGAGCAGCGGTAAAGGAAAATTCAGTCTTAAAGACATGAATTCCTACCCTA 1305
Db 659 CATCAATGAGCAGCGGTAAAGGAAAATTCAGTCTTAAAGACATGAATTCCTACCCTA 716
QY 1306 AAGGCCCGCAGATAGGATCATTTTACGCTGT-CTTGGGGAGCCAGTTGCAAGTTGGGCC 1364


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RESULT 6
US-09-764-870-222/c
; Sequence 222, Application US/09764870
; Patent No. US20020042386A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ14
; CURRENT APPLICATION NUMBER: US/09/764,870
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 222
; LENGTH: 2244
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (10)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (11)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (2007)
; OTHER INFORMATION: n equals a,t,g, or c
; NAME/KEY: SITE
; LOCATION: (2121)
; OTHER INFORMATION: n equals a,t,g, or c
; US-09-764-870-222

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1719 CCGGGGCTCAGGAATTCCGCACGACGAGGCGACGCCACCTCGAAGGC 1669
Db

RESULT 7
US-10-125-540-222/c
; Sequence 222, Application US/10125540
; Publication No. US20030059875A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZI4C1
; CURRENT APPLICATION NUMBER: US/10/125,540
; CURRENT FILING DATE: 2002-04-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 222
; LENGTH: 2244
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (10)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (11)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: misc_feature

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US-10-266-829-48
Query Match 23.3%; Score 323; DB 16; Length 4385;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CCCCCGAGGGGACCGACCGAGCCCGAGGATTCATGGAGCGAGGAAGCGGAGAGCG 253
DB 70 CTCGCGCGAGCGGAACGACCGAGCGGAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCAATATCCCAAGCGCGCTCTCGCGCGCGGCTTGTGGGATTCATTAAATACAGCTGCCACG 313
DB 128 CCAATACGCAACCGGCTCTC-CCGCGCGGTTGGCCGATTCATTAAATGAGCTGGCAAG 186
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTCTAGTGAGCGCAACAATTAATGTAGTAGTCTCA 373
DB 187 ACAGGTTTCCGAGCTGGAAGCGGCGAGTGAGCGCAACGCAATTAATGTAGTAGTCTCA 246
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTTACCTTTTCCGGCTCGTATGTTGTGGGAATTG 433
DB 247 CTCATTAGGACCCCGAGGCTTTACACTTTTATGCTTCGGCTCGTATGTTGTGGGAATTG 306
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
DB 307 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 365
QY 494 ATTAACCCCTCACTAAGGGAACAAAAGCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
DB 366 ATTAACCCCTCACTAAGGGAACAAAAGCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGATCCCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGAGGAGCGCCA 613
DB 426 ACTAGTGATCCCCCGGCTCCAGGAATTCGCCACGACGACATGGCGCTGAGCGGCCA 485
QY 614 GACTAGGGGGAATGGGACCGCGAGCCCTCGGCTCGTGTGATTATG 658
DB 486 CCGGAGCTCCGGCTCTGCGCTCGGCTCGCTGACTTCTTCCTGCTG 530

RESULT 10
US-10-798-512-77
; Sequence 77, Application US/10798512
; Publication No. US20040152164A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/798,512
; CURRENT FILING DATE: 2004-03-12
; PRIOR APPLICATION NUMBER: US/09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 77
; LENGTH: 4385
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3476)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-798-512-77
Query Match 23.3%; Score 323; DB 17; Length 4385;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;

QY 194 CCCCCGAGGGGACCGACCGAGCCCGAGGATTCATGGAGCGAGGAAGCGGAGAGCG 253
DB 70 CTCGCGCGAGCGGAACGACCGAGCGGAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCAATATCCCAAGCGCGCTCTCGCGCGCGGCTTGTGGGATTCATTAAATACAGCTGCCACG 313
DB 128 CCAATACGCAACCGGCTCTC-CCGCGCGGTTGGCCGATTCATTAAATGAGCTGGCAAG 186
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTCTAGTGAGCGCAACAATTAATGTAGTAGTCTCA 373
DB 187 ACAGGTTTCCGAGCTGGAAGCGGCGAGTGAGCGCAACGCAATTAATGTAGTAGTCTCA 246
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTTACCTTTTCCGGCTCGTATGTTGTGGGAATTG 433
DB 247 CTCATTAGGACCCCGAGGCTTTACACTTTTATGCTTCGGCTCGTATGTTGTGGGAATTG 306
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
DB 307 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 365
QY 494 ATTAACCCCTCACTAAGGGAACAAAAGCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
DB 366 ATTAACCCCTCACTAAGGGAACAAAAGCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGATCCCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGAGGAGCGCCA 613
DB 426 ACTAGTGATCCCCCGGCTCCAGGAATTCGCCACGACGACATGGCGCTGAGCGGCCA 485
QY 614 GACTAGGGGGAATGGGACCGCGAGCCCTCGGCTCGTGTGATTATG 658
DB 486 CCGGAGCTCCGGCTCTGCGCTCGGCTCGCTGACTTCTTCCTGCTG 530
RESULT 11
US-10-050-704-23
; Sequence 23, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: 09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-050-704-23
Query Match 23.3%; Score 323; DB 15; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CCCCCGAGGGGACCGACCGAGCCCGAGGATTCATGGAGCGAGGAAGCGGAGAGCG 253
DB 70 CTCGCGCGAGCGGAACGACCGAGCGGAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCAATATCCCAAGCGCGCTCTCGCGCGCGGCTTGTGGGATTCATTAAATACAGCTGCCACG 313
DB 128 CCAATACGCAACCGGCTCTC-CCGCGCGGTTGGCCGATTCATTAAATGAGCTGGCAAG 186
QY 314 ACAGGTTTCCGAGCTGGAAGCGGTCTAGTGAGCGCAACAATTAATGTAGTAGTCTCA 373
DB 187 ACAGGTTTCCGAGCTGGAAGCGGCGAGTGAGCGCAACGCAATTAATGTAGTAGTCTCA 246
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTTACCTTTTCCGGCTCGTATGTTGTGGGAATTG 433
DB 247 CTCATTAGGACCCCGAGGCTTTACACTTTTATGCTTCGGCTCGTATGTTGTGGGAATTG 306
QY 434 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 493
DB 307 TGAGCGGATAACAATTTACACAGGAAACAGCTATGACCATGATTCAGTCCAGCTCGAA 365
QY 494 ATTAACCCCTCACTAAGGGAACAAAAGCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 553
DB 366 ATTAACCCCTCACTAAGGGAACAAAAGCTGGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGATCCCCCGGCTCCAGGAATTCGCCACGACCGGAGGACCGAGGAGCGCCA 613
DB 426 ACTAGTGATCCCCCGGCTCCAGGAATTCGCCACGACGACATGGCGCTGAGCGGCCA 485
QY 614 GACTAGGGGGAATGGGACCGCGAGCCCTCGGCTCGTGTGATTATG 658
DB 486 CCGGAGCTCCGGCTCTGCGCTCGGCTCGCTGACTTCTTCCTGCTG 530

Db 128 CCCAATACGCAACCGCCTCTC-CCGCGCGTGTGGCGGATTCATTAAATGACGCTGGCAG 186
Qy 314 ACAGGTTTCCCGACTGGAAGCGTTCAGTGAGCGCAACAAATTAATGTAGTTAGCTCA 373
Db 187 ACAGGTTTCCCGACTGGAAGCGGCGAGTGAGCGCAACAAATTAATGTAGTTAGCTCA 246
Qy 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 306
Qy 434 TGAGCGGATTAACAAATTCACACAGGAACAGCTATGACCATGATTACGTCGAAGTCGAA 493
Db 307 TGAGCGGATTAACAAATTCACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 365
Qy 494 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGGCTCTTAGA 553
Db 366 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGGCTCTTAGA 425
Qy 554 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGACCGGAGGACCGAGAGCGGCA 613
Db 426 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGAGGACATGGCGCTGAGCGGCGCA 485
Qy 614 GACTACGGGGAATGGCGACCCGCGCTCGGCTCGTGTGATTATG 658
Db 486 CCGCGACTCCGGCTCTCGGCTCGGCTGCTGACTTCTTCTCTGCTG 530

RESULT 12
US-10-050-704-78
; Sequence 78, Application US/10050704
; Publication No. US20030050442A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: P2039P1
; CURRENT APPLICATION NUMBER: US/10/050,704
; CURRENT FILING DATE: 2002-01-18
; PRIOR FILING DATE: 2002-01-18
; PRIOR FILING DATE: 2000-10-10
; PRIOR FILING DATE: 2000-04-06
; PRIOR FILING DATE: 2000-04-06
; PRIOR FILING DATE: 1999-04-09
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 78
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c

US-10-050-704-78
Query Match 23.3%; Score 323; DB 15; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
Qy 194 CGCCGGAAGGACCGACCGAGCTTCATGAGCGAGAAAGCGGAGAGCG 253
Db 70 CTCGCGCAGCCGCAACCGAGCGGAGTCACTAGTGGAGGAA--GCGGAAGAGCG 127
Qy 254 CCCAATACCAAGCCGCTCTCGCGCGGTGTGGGATTCATTAATACAGCTGCCACG 313
Db 128 CCCAATACCAAGCCGCTCTC-CCGCGCGTGTGGCGGATTCATTAATGACGTTGGCAG 186
Qy 314 ACAGGTTTCCCGACTGGAAGCGGTCAGTGAGCGCAACAAATTAATGTAGTTAGCTCA 373
Db 187 ACAGGTTTCCCGACTGGAAGCGGCGAGTGGAGCGCAACGCAATTAATGTAGTTAGCTCA 246

US-10-050-704-78
Query Match 23.3%; Score 323; DB 15; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;

Qy 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 306
Qy 434 TGAGCGGATTAACAAATTCACACAGGAACAGCTATGACCATGATTACGTCGAAGTCGAA 493
Db 307 TGAGCGGATTAACAAATTCACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 365
Qy 494 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGGCTCTTAGA 553
Db 366 ATTAACCCCTCACTAAAGGGAACAAAACTGGAGCTCCACCGCGGTGGCGGCTCTTAGA 425
Qy 554 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGACCGGAGGACCGAGAGCGGCA 613
Db 426 ACTAGTGGATCCCGCGGCTCCAGGAATTGCGCACGAGGACATGGCGCTGAGCGGCGCA 485
Qy 614 GACTACGGGGAATGGCGACCCGCGCTCGGCTCGTGTGATTATG 658
Db 486 CCGCGACTCCGGCTCTCGGCTCGGCTGCTGACTTCTTCTCTGCTG 530

RESULT 13
US-10-266-829-23
; Sequence 23, Application US/10266829
; Publication No. US20030220489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 29 Human secreted proteins
; FILE REFERENCE: P2041P1
; CURRENT APPLICATION NUMBER: US/10/266,829
; CURRENT FILING DATE: 2002-10-09
; PRIOR FILING DATE: 2002-10-09
; PRIOR FILING DATE: 2001-01-09
; PRIOR FILING DATE: 2000-07-20
; PRIOR FILING DATE: 2000-07-20
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c

US-10-266-829-23
Query Match 23.3%; Score 323; DB 16; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
Qy 194 CGCCGGAAGGACCGACCGAGCTTCATGAGCGAGAAAGCGGAGAGCG 253
Db 70 CTCGCGCAGCCGCAACCGAGCGGAGTCACTAGTGGAGGAA--GCGGAAGAGCG 127
Qy 254 CCCAATACCAAGCCGCTCTCGCGCGGTGTGGGATTCATTAATACAGCTGCCACG 313
Db 128 CCCAATACCAAGCCGCTCTC-CCGCGCGTGTGGCGGATTCATTAATGACGTTGGCAG 186
Qy 314 ACAGGTTTCCCGACTGGAAGCGGTCAGTGAGCGCAACAAATTAATGTAGTTAGCTCA 373
Db 187 ACAGGTTTCCCGACTGGAAGCGGCGAGTGGAGCGCAACGCAATTAATGTAGTTAGCTCA 246
Qy 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 306
Qy 434 TGAGCGGATTAACAAATTCACACAGGAACAGCTATGACCATGATTACGTCGAAGTCGAA 493
Db 307 TGAGCGGATTAACAAATTCACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 365

QY 494 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 366 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATCCGACGACGGGAGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGGGCTCCAGGAATCCGACGACGGGAGACCGAGAGCGCCA 485
QY 614 GACTACGGCGAATGGCGACCGCGACCCCTGCGCTGCTGATTATG 658
Db 486 CGCGACTCCGGCTCTGCGCTCGGCTGCTGACTTCTTCTCTG 530

RESULT 14
US-10-266-829-49
; Sequence 49, Application US/10266829
; Publication No. US20030220489A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 29 Human secreted proteins
; FILE REFERENCE: PZ041P1
; CURRENT APPLICATION NUMBER: US/10/266,829
; CURRENT FILING DATE: 2002-10-09
; PRIOR APPLICATION NUMBER: 09/756,168
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: PCT/US00/19735
; PRIOR FILING DATE: 2000-07-20
; PRIOR APPLICATION NUMBER: 60/145,220
; PRIOR FILING DATE: 1999-07-23
; NUMBER OF SEQ ID NOS: 146
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 49
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-266-829-49

Query Match 23.3%; Score 323; DB 16; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGACCGACCGACCGCGCTCTCGCGGCGCGTGTGCGATTTCATGAGCGAGGAAGCGGAGAGCG 253
Db 70 CTCGCGCAGCGCGAAGCGACCGAGCGCAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCCAATACCCAAAGCGCGCTCTCGCGGCGCGTGTGCGATTTCATTAATACAGCTGCCACG 313
Db 128 CCCAATACCGAAACCGCGCTCTC--CCGCGCGTGTGCGATTTCATTAATGCACTGGCAGC 186
QY 314 ACAGTTTCCGACTGGAAGCGGTCAGTGAGCGCAACACAATTAATGTGATTAGTCA 373
Db 187 ACAGTTTCCGACTGGAAGCGGCGAGTCAGTGAGCGCAACCAATTAATGTGATTAGTCA 246
QY 374 CTCATTAGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 306
QY 434 TGAGCGGATAACAATTTCCACAGAAACAGCTATGACCATGATTAGTCCCAAGCTCGAA 493
Db 307 TGAGCGGATAACAATTTCCACAGAAACAGCTATGACCATGATTAGC--CCAAGCTCGAA 365
QY 494 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 307 TGAGCGGATAACAATTTCCACAGAAACAGCTATGACCATGATTAGC--CCAAGCTCGAA 365
QY 494 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 366 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCGCGACGCGGAGGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGGGCTCCAGGAATTCGCGACGCGGAGGACCGAGAGCGCCA 485

QY 614 GACTACGGCGAATGGCGACCGCGACCCCTGCGCTGCTGATTATG 658
Db 486 CGCGACTCCGGCTCTGCGCTCGGCTGCTGACTTCTTCTCTG 530

RESULT 15
US-10-798-512-23
; Sequence 23, Application US/10798512
; Publication No. US20040152164A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: 62 Human Secreted Proteins
; FILE REFERENCE: PZ039P1
; CURRENT APPLICATION NUMBER: US/10/798,512
; CURRENT FILING DATE: 2004-03-12
; PRIOR APPLICATION NUMBER: US/09/684,524
; PRIOR FILING DATE: 2000-10-10
; PRIOR APPLICATION NUMBER: PCT/US00/08979
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: 60/128,693
; PRIOR FILING DATE: 1999-04-09
; PRIOR APPLICATION NUMBER: 60/130,991
; PRIOR FILING DATE: 1999-04-26
; NUMBER OF SEQ ID NOS: 344
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 4386
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3477)
; OTHER INFORMATION: n equals a,t,g, or c
US-10-798-512-23

Query Match 23.3%; Score 323; DB 17; Length 4386;
Best Local Similarity 85.2%; Pred. No. 3.1e-91;
Matches 396; Conservative 0; Mismatches 65; Indels 4; Gaps 3;
QY 194 CGCCGGAAGGGACCGACCGACCGCGCTCTCGCGGCGCGTGTGCGATTTCATGAGCGAGGAAGCGGAGAGCG 253
Db 70 CTCGCGCAGCGCGAAGCGACCGAGCGCAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 127
QY 254 CCCAATACCCAAAGCGCGCTCTCGCGGCGCGTGTGCGATTTCATTAATACAGCTGCCACG 313
Db 128 CCCAATACCGAAACCGCGCTCTC--CCGCGCGTGTGCGATTTCATTAATGCACTGGCAGC 186
QY 314 ACAGTTTCCGACTGGAAGCGGTCAGTGAGCGCAACACAATTAATGTGATTAGTCA 373
Db 187 ACAGTTTCCGACTGGAAGCGGCGAGTCAGTGAGCGCAACCAATTAATGTGATTAGTCA 246
QY 374 CTCATTAGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 433
Db 247 CTCATTAGCACCCAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTG 306
QY 434 TGAGCGGATAACAATTTCCACAGAAACAGCTATGACCATGATTAGTCCCAAGCTCGAA 493
Db 307 TGAGCGGATAACAATTTCCACAGAAACAGCTATGACCATGATTAGC--CCAAGCTCGAA 365
QY 494 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 553
Db 366 ATTAAACCTCACTAAAGGAAACAAAATGAGCTCCACCGCGTGGCGCGCTCTAGA 425
QY 554 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCACGACCGGAGGACCGAGAGCGCCA 613
Db 426 ACTAGTGGATCCCGGGCTCCAGGAATTCGCCACGAGGACCATGGCGCTGAGGCGCCA 485
QY 614 GACTACGGCGAATGGCGACCGCGACCCCTGCGCTGCTGATTATG 658
Db 486 CGCGACTCCGGCTCTGCGCTCGGCTGCTGACTTCTTCTCTG 530

Search completed: August 28, 2004, 14:49:44

Result No.	Query Match	Score	Query			ID	Description
			Match	Length	DB		
1	1386	100.0	1386	4	US-09-189-833B-1	Sequence 1, Appli	
2	654.6	47.2	1947	4	US-09-786-240-19	Sequence 19, Appl	
3	316.2	22.8	3300	4	US-09-482-273-68	Sequence 68, Appl	
C	4	314.6	22.7	752	US-08-976-259-108	Sequence 108, Appl	
	5	314.6	22.7	7287	US-08-959-206A-1	Sequence 1, Appli	
6	314.6	22.7	12479	4	US-09-318-138-13	Sequence 13, Appl	
C	7	313.6	22.6	3988	4	US-09-358-856C-12	Sequence 12, Appl
C	8	313.6	22.6	3699	3	US-08-648-538-6	Sequence 6, Appli
C	9	313	22.6	3699	3	US-09-503-232-6	Sequence 6, Appli
C	10	313	22.6	6045	3	US-08-675-566-18	Sequence 6, Appli
C	11	313	22.6	6244	3	US-08-675-566-17	Sequence 18, Appl
C	12	313	22.6	6447	3	US-08-675-566-16	Sequence 17, Appl
C	13	313	22.6	6578	3	US-08-675-566-4	Sequence 16, Appl
C	14	313	22.6	6612	3	US-08-675-566-15	Sequence 4, Appli
C	15	313	22.6	6958	3	US-08-675-566-2	Sequence 15, Appl
C	16	313	22.6	6994	3	US-08-675-566-2	Sequence 2, Appli
C	17	313	22.6	7001	3	US-08-675-566-3	Sequence 1, Appli
C	18	312.4	22.5	1331	4	US-09-023-655-1298	Sequence 3, Appli
C	19	311.4	22.5	2961	3	US-08-446-935-6	Sequence 1298, Ap
	20	309	22.3	1289	1	US-08-644-664B-13	Sequence 6, Appli
21	309	22.3	1289	2	US-08-761-277A-13	Sequence 13, Appl	
22	306.2	22.1	2885	1	US-08-471-496-1	Sequence 13, Appl	
23	306.2	22.1	2885	2	US-08-894-840-1	Sequence 1, Appli	
24	306.2	22.1	2885	3	US-09-139-675-1	Sequence 1, Appli	
25	306.2	22.1	2885	4	US-09-502-048-1	Sequence 1, Appli	
26	304.2	21.9	12494	3	US-08-935-312-13	Sequence 1, Appli	
27	304.2	21.9	12494	3	US-08-848-760B-33	Sequence 33, Appl	

Db 301 TACAGCTGCCACGACAGGTTTCCGAGCTGGAAGCGGTGAGTGAAGCAACAATAAT 360
Qy 361 GTGAGTTAGTCTACTATTAGGCAAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
Db 361 GTGAGTTAGTCTACTATTAGGCAAGGCTTTACACTTTATGCTTCCGGCTCGTATG 420
Qy 421 TTGTCGGAATTTGAGCGGATACAAATTTACAGGAAACAGTATGACCATGATTAC 480
Db 421 TTGTCGGAATTTGAGCGGATACAAATTTACAGGAAACAGTATGACCATGATTAC 480
Qy 481 GTCCAGCTCGAAATTAACCTCCTACCTAAGGGAACAAAACCTGGAGCTCCACCGGGTGG 540
Db 481 GTCCAGCTCGAAATTAACCTCCTACCTAAGGGAACAAAACCTGGAGCTCCACCGGGTGG 540
Qy 541 CGGCGCTCTAGAACTAGTGGATCCCCGGGCTCCAGGAATTCGCCACGACGGGAGAC 600
Db 541 CGGCGCTCTAGAACTAGTGGATCCCCGGGCTCCAGGAATTCGCCACGACGGGAGAC 600
Qy 601 CGAGGAGCGCCAGACTACCGGGAATGGGACCCGACGCTGGCTGGTATGATGGA 660
Db 601 CGAGGAGCGCCAGACTACCGGGAATGGGACCCGACGCTGGCTGGTATGATGGA 660
Qy 661 TGATTGCCAGGGTATGACTTGAATTTATTCAGTACCACAGCACTATTATGAGACTT 720
Db 661 TGATTGCCAGGGTATGACTTGAATTTATTCAGTACCACAGCACTATTATGAGACTT 720
Qy 721 GGAGTATGCTCATCCCTCATGATGATCATTTGTTGGAAGAAATGAGCGCTGGCCAGGA 780
Db 721 GGAGTATGCTCATCCCTCATGATGATCATTTGTTGGAAGAAATGAGCGCTGGCCAGGA 780
Qy 781 TATTATCAAGACATAGATATAGTACATGCTGCTGCTGCTTAAAGGGGGTGA 840
Db 781 TATTATCAAGACATAGATATAGTACATGCTGCTGCTGCTTAAAGGGGGTGA 840
Qy 841 CAAATTCGTGCTGATCTGTAGAACCTTTAAGAACATCAGCCGAAATTCAGTCTGTT 900
Db 841 CAAATTCGTGCTGATCTGTAGAACCTTTAAGAACATCAGCCGAAATTCAGTCTGTT 900
Qy 901 TGTCTCAATGAGGTTGATTTTCATCAGCTTAAAGGTTACAGGAATGACCTGCTATGG 960
Db 901 TGTCTCAATGAGGTTGATTTTCATCAGCTTAAAGGTTACAGGAATGACCTGCTATGG 960
Qy 961 TGAGATGAGATTAATCGGAGCGGTGATCTTTCAACGCTGGCTGGAAAGAAATTTCTCAT 1020
Db 961 TGAGATGAGATTAATCGGAGCGGTGATCTTTCAACGCTGGCTGGAAAGAAATTTCTCAT 1020
Qy 1021 TGTGAGGATGTTGTCGGAATCTGGAGGACCATGAAAGCACTACTCAGCAATATAGAGAA 1080
Db 1021 TGTGAGGATGTTGTCGGAATCTGGAGGACCATGAAAGCACTACTCAGCAATATAGAGAA 1080
Qy 1081 ATACAAGCCAAATGATTAAGGTAGCCAGTTTGGTGAAGAAACATCCAGAAAGTGA 1140
Db 1081 ATACAAGCCAAATGATTAAGGTAGCCAGTTTGGTGAAGAAACATCCAGAAAGTGA 1140
Qy 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTATTTGGTGGGATATGC 1200
Db 1141 CGGCTTTAGACCTGACTATGCTGGATTTGAGATTCACACTTTATTTGGTGGGATATGC 1200
Qy 1201 CTTAGATTACAACTGAAATCTCAGAGATCTGAATCAGATGCGTCAATCAATGAGCAGG 1260
Db 1201 CTTAGATTACAACTGAAATCTCAGAGATCTGAATCAGATGCGTCAATCAATGAGCAGG 1260
Qy 1261 GTAAAGGAAATATCGAGTCTTAAAGACATGAAATCTCACCTAAAGGCCCCAGATAGG 1320
Db 1261 GTAAAGGAAATATCGAGTCTTAAAGACATGAAATCTCACCTAAAGGCCCCAGATAGG 1320
Qy 1321 ATCAATTTTACGCTGCTTTGGGAGCCAGTTCGAAGTTGGGCCCCCGGATCTTTCATC 1380
Db 1321 ATCAATTTTACGCTGCTTTGGGAGCCAGTTCGAAGTTGGGCCCCCGGATCTTTCATC 1380
Qy 1381 AGGAGG 1386
|||||

Db 1381 AGGAGG 1386
RESULT 2
US-09-786-240-19
; Sequence 19, Application US/09786240
; Patent No. 6558935
; GENERAL INFORMATION:
; APPLICANT: INCYTE PHARMACEUTICALS, INC.
; APPLICANT: TANG, Y. Tom
; APPLICANT: CORLEY, Neil C.
; APPLICANT: GUEGLER, Karl J.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: LAL, Preeti
; APPLICANT: YOE, Henry
; APPLICANT: HILLMAN, Jennifer L.
; APPLICANT: AZIMZAI, Yalda
; TITLE OF INVENTION: HUMAN TRANSFERASE PROTEINS
; FILE REFERENCE: PF-0592 PCT
; CURRENT APPLICATION NUMBER: US/09/786,240
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/150,657; unassigned; 60/133,64
; PRIOR FILING DATE: 1998-09-10; 1998-09-10; 1998-11-04; 1998-05-11
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: PERL Program
; SEQ ID NO 19
; LENGTH: 1927
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. 6558935 1404963CB1
US-09-786-240-19

Query Match 47.2%; Score 654.6; DB 4; Length 1927;
Best Local Similarity 94.2%; Pred. No. 7.8e-181; Indels 22; Gaps 5;
Matches 741; Conservative 0; Mismatches 24;
Qy 586 CACGACCGGAGGAGCCGAGGAGCGCCAGACTACGGGCGAATGGCCGCCGACCCCTGG 645
Db 18 CATGGCCGGAGCAGCGAGGAGCGCCAGACTACGGGCGA-----GG 59
Qy 646 CGTCGTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 705
Db 60 CGTCGTGATATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 119
Qy 706 CTATTATGAGACTTTGGAGTATGTCCTCATCCTCATGCTATCATTTGTCGACAGAAATGA 765
Db 120 CTATTATGAGACTTTGGAGTATGTCCTCATCCTCATGCTATCATTTGTCGACAGAAATGA 179
Qy 766 GCGGCTGGCCAAAGGATATTTAAGAGACATAGGATATAGTACATCATGCTCTGCTGTGT 825
Db 180 GCGGCTGGCCAAAGGATATTTAAGAGACATAGGATATAGTACATCATGCTCTGCTGTGT 239
Qy 826 GCTTAAAGGGGGTACAAATTCCTGCTGATCTCTGAGAACACCTTAAAGAACATCAGCCG 885
Db 240 GCTTAAAGGAGGTTACAAATTCCTGCTGATCTCTGAGAACACCTTAAAGAACATCAGCCG 299
Qy 886 AAATTCAGATCGGTTTGTCTCAATGAAGTTGATTTATCATGACTTAAAGGTTACAGAA 945
Db 300 AAATTCAGATCGATTTGTCTCAATGAAGTTGATTTATCATGACTTAAAGGTTACAGAA 359
Qy 946 TGACCACTCCAGCTGGTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1005
Db 360 TGACCACTCCAGCTGGTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 419
Qy 1006 AAAGAAATTTTCTCATTTGTTGAGGATGTTGTCCGAATCTGGGAGGACCATGAAAGCACTACT 1065
Db 420 AAAGAAATTTTCTCATTTGTTGAGGATGTTGTCCGAATCTGGGAGGACCATGAAAGCACTACT 479
Qy 1066 CAGCAATATAGAGAAATACAGCCCAACATGATTAAGCTAGCCAGTTGTTGGTGAAGAG 1125
Db 480 CAGCAATATAGAGAAATACAGCCCAACATGATTAAGCTAGCCAGTTGTTGGTGAAGAG 539
|||||

QY 1126 ACATCCAGAGTACGGCTTTAGACCTGACTATGCTGGATTGAGATTCCACACTTATT 1185
Db 540 AACATCCAGAGTACGGCTTTAGACCTGACTATGCTGGATTGAGATTCCAAACTTATT 599
QY 1186 TGTGTTGGGATATGCTTTAGATTCAATGAATGACTTTCAGAGATCTGAATCACATATCGGT 1245
Db 600 TGTGTTGGGATATGCTTTAGATTCAATGAATGACTTTCAGAGATCTGAATCACATATCGGT 659
QY 1246 CATCAATGAGCACGGGTAAAGGAAATATCGAGTCTTAAAGACATGAATTTCTCACCACTA 1305
Db 660 CATCAATGAGCAC-GGTAAAGGAAATATCGAGTCTTAAAGACATGAATTTCTCACCACTA 717
QY 1306 AAGGCCCCAGATAGATCATTTTACGCTGT-CTTGGGGAGCCAGTTGCAAGTTGGGCC 1364
Db 718 AA-GTCCCCAGATAGATCATATTACGCTGTACTTGGGAAGCCAGCTGCAAGTTTGTCTC 776
QY 1365 CCCCCGG 1371
Db 777 CCCCCAG 783

RESULT 3
US-09-482-273-68
; Sequence 68, Application US/09482273
; Patent No. 6534631
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 71 Human Secreted Proteins
; FILE REFERENCE: PZ030P1
; CURRENT APPLICATION NUMBER: US/09/482,273
; EARLIER FILING DATE: 2000-01-13
; EARLIER APPLICATION NUMBER: PCT/US99/15849
; EARLIER FILING DATE: 1999-07-14
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,922
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,956
; EARLIER FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 68
; LENGTH: 3300
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (3)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (15)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-482-273-68

Query Match 22.8%; Score 316.2; DB 4; Length 3300;
Best Local Similarity 92.6%; Pred. No. 4.2e-82;
Matches 364; Conservative 0; Mismatches 25; Indels 4; Gaps 3;

QY 198 CGGAAGGGGACCGAGCCGAGCCGAGGATTCATGGAGCGAGGAAAGCGGAGCGCCCA 257
Db 2 CNGCAGCCGAGCGNCCGAGCGAGTCACTAGTACGAGGAA--GCGGAAGAGCGCCCA 59
QY 258 ATACCCAGCCGCTCTCGCGCGCGGTTGTGCGATTCAATTAATACAGCTGCGCAGCAG 317
Db 60 ATACGCAAAACCGCTCTCTCCC-GCGCGTTGGCCGATTCAATTAATGCGAGCTGGCAGCAG 118
QY 318 GTTCCCGACTGGAAGCGGTCACTGAGCGCAACACAAATTAATGTGAGTTAGCTCACTCA 377

Db 119 GTTCCCGACTGGAAGCGGCGAGTGAACGCAATTAATGTGAGTTAGCTCACTCA 178
QY 378 TTAGGCACCCCGAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTTGTGAG 437
Db 179 TTAGGCACCCCGAGGCTTTACACTTTATGCTTCCGGCTCGTATGTTGTGGAATTTGTGAG 238
QY 438 CGGATACAAATTTACACAGGAAACAGTATGACCATGATTAACGTCCCAAGCTGAAATTA 497
Db 239 CGGATACAAATTTACACAGGAAACAGTATGACCATGATTAACG-CCAAGCTGAAATTA 297
QY 498 ACCCTCACTAAAGGGAACAAAACCTGGAGCTCCACCGGTTGGCGCGCTCTAGAACTA 557
Db 298 ACCCTCACTAAAGGGAACAAAACCTGGAGCTCCACCGGTTGGCGCGCTCTAGAACTA 357
QY 558 GTGATATCCCGGGCTCCAGGAATTCGCCAGA 590
Db 358 GTGATATCCCGGGCTCGAGGAATTCGCCAGA 390

RESULT 4
US-08-976-259-108/c
; Sequence 108, Application US/08976259
; Patent No. 6316609
; GENERAL INFORMATION:
; APPLICANT: Dillon, Patrick J.
; APPLICANT: Choi, Gil H.
; APPLICANT: Welch, Rodney A.
; TITLE OF INVENTION: Nucleotide Sequence of Escherichia coli
; Patent No. 6316609
; NUMBER OF SEQUENCES: 142
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Ave, N.W., Suite 600
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/976,259
; FILING DATE: Herewith
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/031,626 AND US 60/061,953
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0740002/EKS/CBM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 108:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 752 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-976-259-108

Query Match 22.7%; Score 314.6; DB 4; Length 752;
Best Local Similarity 92.8%; Pred. No. 6.5e-82;
Matches 363; Conservative 0; Mismatches 24; Indels 4; Gaps 3;

QY 194 CCGCCGGAAGGGGACCGAGCCGAGCCGAGGATTCATGGAGCGAGGAAAGCGGAGAGCG 253
Db 432 CTCGCCGAGCGGACCGAGCCGAGGCGAGTCACTGAGCGAGGAA--GCGGAAGAGCG 375
QY 254 CCAATACCCAGCGGCTCTCGCGCGCGCTTGTGGGATTTCATTATACAGCTGCCACG 313

;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/318,138
;/ FILING DATE: 25-May-1999
;/ CLASSIFICATION: <Unknown>
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US 60/086,635
;/ FILING DATE: 26-MAY-1998
;/ APPLICATION NUMBER: US 08/935,312
;/ FILING DATE: 22-SEP-1997
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: COOPER, Iver P.
;/ REGISTRATION NUMBER: 28,005
;/ REFERENCE/DOCKET NUMBER: CHANG-109A
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: 202-628-5197
;/ TELEFAX: 202-737-3528
;/ INFORMATION FOR SEQ ID NO: 13:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 12479 base pairs
;/ TYPE: nucleic acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: cDNA
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 13:
;/ US-09-318-138-13

Query Match 22.7%; Score 314.6; DB 4; Length 12479;
Best Local Similarity 92.8%; Pred. No. 2.2e-81;
Matches 363; Conservative 0; Mismatches 24; Indels 4; Gaps 3;

QY 194 CCCCCGGAAGGGGACCGACCGCCAGCCGCGGCTTCATGGAGCGAGGAAGCGGAGAGCG 253
DB 12039 CTCGCGCGCAGCGAAGCAGCCAGCGAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 12096
QY 254 CCAATATACCAAGCGGCTCTCCGCGCGGCTTGTGCGATTCAATTAATACAGCTGCCACG 313
DB 12097 CCAATATACCAAGCGGCTCTC-CCGCGCGGTTGCGCGATTCAATTAATGAGCTGGCAGC 12155
QY 314 ACAGTTTCCCGACTGGAAGCGGTCTAGTGAGCGCAACACAATTAATGTGAGTTAGTCA 373
DB 12156 ACAGTTTCCCGACTGGAAGCGGCTCTAGTGAGCGCAACACAATTAATGTGAGTTAGTCA 12215
QY 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 433
DB 12216 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 12275
QY 434 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGCTCGAA 493
DB 12276 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 12334
QY 494 ATTAACCTCTACTAAGGGAACAAAACCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 553
DB 12335 ATTAACCTCTACTAAGGGAACAAAACCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 12394
QY 554 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 584
DB 12395 ACTAGTGGATCCCCGGGCTCCAGGAATTCG 12425

RESULT 7
US-09-358-856C-12/c
; Sequence 12, Application US/09358856C
; Patent No. 653777
; GENERAL INFORMATION:
; APPLICANT: GELLERFORS, Par
; APPLICANT: FOGH, Jens
; TITLE OF INVENTION: NEW THERAPEUTIC METHOD FOR TREATING PATIENTS WITH ACUTE
; TITLE OF INVENTION: INTERMITTENT PORPHYRIA (AIP) AND OTHER PORPHYRIC
; TITLE OF INVENTION: DISEASES
; FILE REFERENCE: GELLERFORS-1A
; CURRENT APPLICATION NUMBER: US/09/358,856C
; CURRENT FILING DATE: 1999-07-22
; NUMBER OF SEQ ID NOS: 40

;/ SOFTWARE: PatentIn Ver. 2.0
;/ SEQ ID NO 12
;/ LENGTH: 3988
;/ TYPE: DNA
;/ ORGANISM: Human tissue
;/ US-09-358-856C-12

Query Match 22.6%; Score 313.6; DB 4; Length 3988;
Best Local Similarity 92.8%; Pred. No. 2.6e-81;
Matches 362; Conservative 0; Mismatches 24; Indels 4; Gaps 3;

QY 194 CCCCCGGAAGGGGACCGACCGCCAGCCGCGGCTTCATGGAGCGAGGAAGCGGAGAGCG 253
DB 2116 CTCGCGCGCAGCGAAGCAGCCAGCGAGCGAGTCAGTGAGCGAGGAA--GCGGAAGAGCG 2059
QY 254 CCAATATACCAAGCGGCTCTCCGCGCGGCTTGTGCGATTCAATTAATACAGCTGCCACG 313
DB 2058 CCAATATACCAAGCGGCTCTC-CCGCGCGGTTGCGCGATTCAATTAATGAGCTGGCAGC 2000
QY 314 ACAGTTTCCCGACTGGAAGCGGTCTAGTGAGCGCAACACAATTAATGTGAGTTAGTCA 373
DB 1999 ACAGTTTCCCGACTGGAAGCGGCTCTAGTGAGCGCAACACAATTAATGTGAGTTAGTCA 1940
QY 374 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 433
DB 1939 CTCATTAGGACCCCGGCTTTACACTTTATGCTTCGCGCTCGTATGTTGTGGAATTG 1880
QY 434 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGCTCGAA 493
DB 1879 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGAA 1821
QY 494 ATTAACCTCTACTAAGGGAACAAAACCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 553
DB 1820 ATTAACCTCTACTAAGGGAACAAAACCTGGAGCTCCACCGGCTGGCGCGCTCTAGA 1761
QY 554 ACTAGTGGATCCCCGGGCTCCAGGAATTC 583
DB 1760 ACTAGTGGATCCCCGGGCTCCAGGAATTC 1731

RESULT 8
US-08-646-538-6/c
; Sequence 6, Application US/08646538
; Patent No. 6027881
; GENERAL INFORMATION:
; APPLICANT: Pavlakis, George N.
; APPLICANT: Galtanaris, George A.
; APPLICANT: Stauber, Roland H.
; APPLICANT: Vournakis, John N.
; TITLE OF INVENTION: Mutant Aequorea victoria Fluorescent
; TITLE OF INVENTION: Proteins Having Increased Cellular Fluorescence
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,538
; FILING DATE: No. 6027881 yet assigned
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weber, Kenneth A.
; REGISTRATION NUMBER: 31,677
; REFERENCE/DOCKET NUMBER: 015280-249000
; TELECOMMUNICATION INFORMATION:

CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 6447 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-16

Query Match 22.6%; Score 313; DB 3; Length 6447;
Best Local Similarity 92.6%; Pred. No. 4.8e-81;
Matches 362; Conservative 0; Mismatches 25; Indels

194	QY	CGCCCGGAAGGGGACCGACCGAGCCAGCGATTCATGGAGCGAGAAAGCGGAGAGCG	253
3882	Db	CTCCGCGCAGCCGAACGACCGAGCGCAGCGAGTCAGTGAGCGAGGAA - GCGGAAGAGCG	3825
254	QY	CCCANATCCCAAGCGGCGCTCTCCCGCGCGGTGTGCGATTCAATTAATACAGCTGCCACG	313
3824	Db	CCCAATACGCAAAACCGGCGCTCTC - CCGCGCGGTGTGCCGATTCAATTAATGCAAGCTGGCAGCG	3766
314	QY	ACAGGTTTCCCGACTGGAAAGCGGTCAGTGAGCGCAACACAATTAATGTGAGTTAGTCTCA	373
3765	Db	ACAGGTTTCCCGACTGGAAAGCGGCGAGTGAGCGCAACGCAATTAATGTGAGTTAGTCTCA	3706
374	QY	CTCATTAGGACCCGACGGCTTTACCTTTATGCTTCGGGTCGTAATGTTGTGGAATTG	433
3705	Db	CTCATTAGGACCCGACGGCTTTACCTTTATGCTTCGGGTCGTAATGTTGTGGAATTG	3646
434	QY	TCAGCGGATACAAATTTTCAACAGGAAACAGCTATGACCATGATTAACGTCGAAGCTCGAA	493
3645	Db	TCAGCGGATACAAATTTTCAACAGGAAACAGCTATGACCATGATTAACGTCGAAGCTCGGA	3587
494	QY	ATTAAACCTCTACTAAAGGGAACAAAACATGGAGCTCCACCGGGTGGCGGCGCTCTTAGA	553
3586	Db	ATTAAACCTCTACTAAAGGGAACAAAAGCTGGAGCTCCACCGGGTGGCGGCGCTCTTAGA	3527
554	QY	ACTAGTGAATCCCCCGGGCTCCAGGAATTCG	584
3526	Db	ACTAGTGAATCCCCCGGGCTCCAGGAATTCG	3496

RESULT 13
US-08-675-566-4/c
; Sequence 4, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF INVENTIONS: 120
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESS: Curtis Morris & Saford, P.C.

STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 840-3333
TELEFAX: (212) 840-0712
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 6578 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-4

Query Match 22.6%; Score 313; DB 3; Length 6578;
Best Local Similarity 92.6%; Pred. NO. 4.8e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;

194	QY	CGCCCGGAAGGGGACCGACCGAGCCACGCGATTTCATGGACGAGGAAACCGGGAAGACG	253
4837	Db	CTCCGCGAGCGGACGACCGAGCGAGCGAGTCAGTGAGCGAGGAA--GGGGAAGACGG	4780
254	QY	CCCAATACCCAAAGCCGCGCTCTCCGCGCGGTTGTCGGATTCAATTAATACAGCTGCCACG	313
4779	Db	CCCAATACGAAACCGGCTCTC--CCGCGCGTTGGCCGATTCAATTAATGCACTGGCACG	4721
314	QY	ACAGTTTTCCTCCGACTGGAAAGCGGTCAGTGAGCGGCAACAATTAATGTGAGTTAGCTCA	373
4720	Db	ACAGTTTTCCTCCGACTGGAAAGCGGCGAGTGAGCGCAACCGCAATTAATGTGAGTTAGCTCA	4661
374	QY	CTCATTAGGCACCCAGGCTTTTACACTTTATGCTCCGGCTCGTATGTGTGTGGAATTG	433
4660	Db	CTCATTAGGCACCCAGGCTTTTACACTTTATGCTCCGGCTCGTATGTGTGTGGAATTG	4601
434	QY	TCAGCGGATACAAATTTTCACACAGGAAACAGCTATGACCATGATTACGTCCTCAGCTCGAA	493
4600	Db	TGAGCGGATACAAATTTTCACACAGGAAACAGCTATGACCATGATTACG--CCAAAGCTCGGA	4542
494	QY	ATTAAACCTCACTAAAGGGAACAAAACCTGGAGCTCCACGGCGTGGCGCGCGCTCTAGA	553
4541	Db	ATTAAACCTCACTAAAGGGAACAAAGCTGGAGCTCCACGGCGTGGCGCGCTCTAGA	4482
554	QY	ACTAGTGATCCCCCGGCTCCAGGAATTCG	584
4481	Db	ACTAGTGATCCCCCGGCTTCAGGAATTCG	4451

```

RESULT 14
US-08-675-566-15/c
; Sequence 15, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, E
; TITLE OF INVENTION: RECOMBINANT
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:

```

ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 6612 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-15

Query Match 22.6%; Score 313; DB 3; Length 6612;
Best Local Similarity 92.6%; Pred. No. 4.8e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCGGGAAGGGGACCGACCGACCGAGGATTCATGAGCGAGGAAAGCGGAGAGCG 253
Db 4047 CTCGCCGACGCGGACCGACCGAGCGAGCGAGTCAAGTGAAGGAGAA--GCGGAAGAGCG 3990
QY 254 CCCAATACCAAGCGCCTCTCCGCGGCGGTGTGCGATTCAATTAATACAGCTGCCACG 313
Db 3989 CCCAATACGCAACCGCCTCTC-CCGCGCGGTGTGCGGATTCATTAATGAGCTGGCAGC 3931
QY 314 ACAGGTTTCCGACTGGAAGCGGTCACTGAGCGCAACACAAATTAATGTAGTTAGTCA 373
Db 3930 ACAGGTTTCCGACTGGAAGCGGCGAGTGAAGCGCAACGCAATTAATGTAGTTAGTCA 3871
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 3870 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 3811
QY 434 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGCTCGAA 493
Db 3810 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGGA 3752
QY 494 ATTAACCTCTACTAAGGGAACAAATACTGAGCTCCACCGCGGTGGCGGCGCTCTAGA 553
Db 3751 ATTAACCTCTACTAAGGGAACAAATACTGAGCTCCACCGCGGTGGCGGCGCTCTAGA 3692
QY 554 ACTAGTGGATCCCCCGGCTCCAGGAATTCG 584
Db 3691 ACTAGTGGATCCCCCGGCTCCAGGAATTCG 3661

RESULT 15.

US-08-675-566-2/c
; Sequence 2, Application US/08675566
; Patent No. 6090393
; GENERAL INFORMATION:
; APPLICANT: Fischer, Laurent
; TITLE OF INVENTION: PROMOTERS, EXPRESSION CASSETTES,
; TITLE OF INVENTION: RECOMBINANT VIRUSES, METHODS FOR MAKING, AND USES THEREOF
; NUMBER OF SEQUENCES: 120

CORRESPONDENCE ADDRESS:
ADDRESSEE: Curtis, Morris & Safford, P.C.
STREET: 530 Fifth Avenue
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/675,566
FILING DATE: 03-JUL-1996
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Frommer Esq., William S.
REGISTRATION NUMBER: 25,506
REFERENCE/DOCKET NUMBER: 454310-2890
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)840-3333
TELEFAX: (212)840-0712
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6958 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-675-566-2

Query Match 22.6%; Score 313; DB 3; Length 6958;
Best Local Similarity 92.6%; Pred. No. 5e-81;
Matches 362; Conservative 0; Mismatches 25; Indels 4; Gaps 3;
QY 194 CGCCGGGAAGGGGACCGACCGACCGAGGATTCATGAGCGAGGAAAGCGGAGAGCG 253
Db 4406 CTCGCCGACGCGGACCGACCGAGCGAGTCAAGTGAAGGAGAA--GCGGAAGAGCG 4349
QY 254 CCCAATACCAAGCGCCTCTCCGCGGCGGTGTGCGATTCAATTAATACAGCTGCCACG 313
Db 4348 CCCAATACGCAACCGCCTCTC-CCGCGCGGTGTGCGGATTCATTAATGAGCTGGCAGC 4290
QY 314 ACAGGTTTCCGACTGGAAGCGGTCACTGAGCGCAACACAAATTAATGTAGTTAGTCA 373
Db 4289 ACAGGTTTCCGACTGGAAGCGGCGAGTGAAGCGCAACGCAATTAATGTAGTTAGTCA 4230
QY 374 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 433
Db 4229 CTCATTAGGACCCCGAGGCTTTACACTTTATGCTTCCGCTCGTATGTTGTGGAATTG 4170
QY 434 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACGTCGAAGCTCGAA 493
Db 4169 TGAGCGGATAACAATTTACACAGGAACAGCTATGACCATGATTACG-CCAAGCTCGGA 4111
QY 494 ATTAACCTCTACTAAGGGAACAAATACTGAGCTCCACCGCGGTGGCGGCGCTCTAGA 553
Db 4110 ATTAACCTCTACTAAGGGAACAAATACTGAGCTCCACCGCGGTGGCGGCGCTCTAGA 4051
QY 554 ACTAGTGGATCCCCCGGCTCCAGGAATTCG 584
Db 4050 ACTAGTGGATCCCCCGGCTCCAGGAATTCG 4020

Search completed: August 28, 2004, 09:54:24
Job time : 128 secs

